

GATE2014



**value moves the world**





**V2GATE2014**

## ICONS



Sliding door



Swing door



Roller shutter and screen



Traffic light output



Control unit power supply voltage



Motor power supply



Built-in inverter



Built-in receiver



Connector for modular receiver



Output for flashing light without intermittence



Output for flashing light with intermittence



Interface for connecting ADI modules



Control unit set up for LUX2+ module connection



Control unit set up for CL1+ module connection



Control unit suitable for operation with the WES accessory



Control unit set up for WES-ADI module connection



Control unit set up for WES-EASY module connection



Control unit set up for EASY-PULSE



Control unit set up for SYNCRO module connection



Control unit suitable for operation with the backup battery module



Compatible with the ECO-LOGIC system

# V2GATE2014 Index

- 4 value to life / **the value of being great**
- 6 value to history / **a reality in continuous motion**
- 8 value to be / **our values**
- 10 value to innovation / **v2 innovation**
- 20 value to time / **motors for sliding gates**
- 38 value to beauty / **motors for swing gates**
- 70 value to facility / **motors for garage doors and rolling shutters**
- 92 value to security / **motors for barriers**
- 100 value to control / **control units**
- 126 value to comfort / **transmitters and receivers**
- 142 value to safety / **security devices and accessories**
- 164 value to synthesis / **electronic kits**

# value to life

THE VALUE OF BEING GREAT







Automation is an added value to everyday life.

Since 1985, through our products, we've made it more and more present in everyday life.

And we keep doing it.

All around the world.

We are nearly thirty years old and we still have much enthusiasm to grow. With 7 locations in the world, we are a multinational company that since 1985 has designed integrated solutions for automation.

A company in continuous expansion, which declines the concept of technological innovation in all its forms, from the automated systems for gates to those for garages and windows, up to the safety devices. Our solutions, perfect for both residential and industrial use, combine technology, innovation, research, to make daily movements simpler and safer.

To add value to the life of the people who use our products and the work of the professionals who choose them every day.

# value to history

A COMPANY ON THE MOVE

1980

## Thoughts in motion

The founders Antonio Livio Costamagna and Francesco Ceniccola start a small business in the field of electronics in which they had been active for years.

1984

## The Number One is born in House

V2 produces the first radio control in its history: a conquest that marks the birth of a type of important product for the company, which will contribute to its future success.

1987

## The story becomes automatic

V2 produces and distributes the first range of electronic equipment for the automation of gates.

1992

## Open borders: V2 Spain and beyond

V2 Spain, a commercial branch for the Spanish speaking markets, is established in Barcelona. The V2 range is more and more appreciated abroad. And this is just the beginning...

1995

## The Vip: one for all and all for one

A great technological idea that anticipates the competition: a four channel remote control that allows to use a single product for multiple applications.

1998

## The Personal Pass: a step forward

A new product, small in size yet featuring great technology: database based management software and programming possibilities by the installer.

# 2000

## The year of Mechanics

Quality, safety and reliability: these are the characteristics of the first motors manufactured by our company, with new applications in the field of the automation of awnings and rolling shutters.

# 2003

## Handy: a jewel designed by Giugiaro

While the construction of the new futuristic headquarters in Racconigi starts, Giugiaro designs a prestigious and exclusive remote control. A great stylist for a great technology.

# 2005

## A new location, open to the world

The new location was inaugurated in January: a contemporary architecture, reviewed by the prestigious architecture magazine "L'Arca", a meeting space for people and ideas.

## Open Europe

France, Spain, Portugal: the conquest of new countries. To be closer to our Customers and offer a timelier service.

# 2007/08

## The world is not enough

Many projects in continuous expansion and the borders are tight: the branches of Tunisia and Morocco are established in 2007. In 2008 V2 arrives in China.

# 2010

## An ever more positive Mood

Enlargement of the range of products, with a particular focus on the mechanics: the Mood line, that includes Axil, Forteco, Alfariss, Hyperfor, Zariss, Ayros, Zenia, is born.

# 2014

## Present to the future

Our research continues, looking to the future, toward home automation signed by V2.

# Value to be

## OUR VALUES



**Innovation.** Change, develop, grow: innovation is our core business. For almost thirty years we have been working with passion to seek new solutions for automation: this has allowed us to make the value of V2 known worldwide. **Quality.** The quality of our products, even before the technology, is due to the value of our people: the best designers, engineers, inspectors, specialists in marketing and sales. People choosing advanced techniques and materials, combining them together in the best possible way, anticipating the market needs, always creating new value. **Safety.** Each of our automation system undergoes strict quality controls and owns the most important international certifications, so as to guarantee to anyone using it easy of use with maximum safety. **Reliability.** Our customers choose our products with confidence, because all our proposals ensure maximum performance over time and in any condition. Each of our solution includes the safety and tranquillity that only products of excellence can offer. **Sustainability.** We are increasingly focused on developing products with low environmental impact, which use natural resources and environmentally-friendly. We believe in the importance of respecting the environment, to restore value to the world around us.

Because every time you choose V2 you do not only buy a product, but an actual solution.





V2 products are known and appreciated all over the world. Our path of research and innovation has always been characterized by a strong international focus, that allows us today to see our automation solutions installed and operational in more than 40 Countries.

In addition to the Italian branch in Racconigi (near Turin), we have subsidiaries in Barcelona (Spain), Genas (France), Caxarias (Portugal), Casablanca (Morocco), Tunis (Tunisia) and Hangzhou (China).

Seven premises around the world, to spread the value of what we produce and be increasingly closer to our customers.

**PRC**  
**V2 HANGZHOU CO., LTD.**  
Building 6, Kangqiao District N.12,  
Kangyuan Road  
310015 HANGZHOU (PRC)  
Tel. +86 571 88045136  
Fax +86 571 88043776  
info@v2home.com.cn

**ITALY**  
**V2 S.p.A.**  
Corso Principi di Piemonte 65/67  
12035 RACCONIGI CN (ITALY)  
Tel. +39 0172 812411  
Fax +39 0172 84050  
info@v2home.com

**FRANCE**  
**AFCA - V2 SAS**  
4 bis, rue Henri Becquerel - B.P. 43  
69740 GENAS (FRANCE)  
Tel. +33 4 72791030  
Fax +33 4 72791039  
france@v2home.com

**ESPAÑA**  
**VIDUE SPAIN SL**  
Avda. Can Rosés, n. 8  
Nave 4 - Pol. Ind. Can Rosés  
08191 RUBÍ Barcelona (ESPAÑA)  
Tel. +34 93 6991500  
Fax +34 93 6992855  
spain@v2home.com

**PORTUGAL**  
**V2 AUTOMATISMOS**  
**PORTUGAL LDA**  
Loteamento da Cha, Lote 119  
2435-087 CAXARIAS (PORTUGAL)  
Tel. +351 24 9571511  
Fax +351 24 9571512  
portugal@v2home.com

**MAROC**  
**V2 DOMOTIQUE**  
**MAROC SARL**  
82 Bd Driss 1er Résidence Fathia  
CASABLANCA (MAROC)  
Tel. +212 522 860400  
Fax + 212 522 861514  
v2maroc@v2maroc.com

**TUNISIE**  
**V2 TUNISIE SARL**  
47, rue El Moez El Manzah 1  
1004 TUNIS (TUNISIE)  
Tel. +216 71 767447  
Fax +216 71 767443  
v2tunisie@gnet.tn

# value to innovation

V2 INNOVATION

Our world is constantly growing, because it is only by putting passion in addressing new challenges that truly innovative solutions may arise.

Innovation to us means the achievement of a perfect synthesis of technology and accessibility: the more solutions are at the forefront, the more they must be simple to use.

From this philosophy, we create every year new proposals in order to respond in an advanced way to the real needs of the people using our products.

**We are pleased to introduce, in the following pages, the last born in V2.**

# on

12|13 **eco-logic**

14|15 **dev**

16|17 **phox**

18|19 **personal pass**

# eco-logic

Solar panel+battery kit

## Automation beyond all limits

Thanks to the increasing dedication V2 observes in designing eco-friendly solutions that respect the environment, was born Eco-logic, the eco-smart solution to supply solar energy to automated external devices, such as gates, garage doors and road barriers.



### PRACTICAL VALUE

- **ECOLOGY & SAVINGS:** because it uses a natural resource, free and clean as sunlight, **so as to reduce pollution and save energy.**
- **GREEN INNOVATION:** beyond the usual idea of automation, it exploits an **advanced eco-friendly technology.**
- **NO-LIMITS:** it can be supplied everywhere, even where there is no power, and can be **installed without any need for connection to the mains.**
- **NO STOP:** over all adversity, **it always works, even at night and in adverse weather conditions** (cloudiness, rain, snow), thanks to the **battery box** with large energy reserves.

### TECHNICAL VALUE

- **24 V COMPATIBLE:** because it was designed for V2 automation systems with 24V power supply.
- **VERSATILE:** the panel converts sunlight into electricity, which is stored in the battery box, to ensure continuity of use even in low or absent light conditions.
- **ACCURATE:** the three LEDs on the front of Eco-logic indicate the state of charge of the battery.
- **PRACTICAL:** quick connection of the solar panel and the control unit, thanks to the two plug connectors on the side of the battery box.

**eco-logic:**  
find out to which V2 products  
it can be combined to

SYSTEMS WITH  
**BUILT-IN  
CONTROL UNIT**



**alfariss**



**ayros**



**zariss**



**niuba**

24V SYSTEMS  
**WITHOUT  
CONTROL UNIT**



**CONTROL UNIT  
city2+ BC**



**axil**



**calypso**



**bingo**



**blitz**



**vulcan**



# dev

Miniature control modules

## A convenience you cannot see but feel

The innovation ensured by V2 becomes part of the daily routine, without taking up space. DEVs are **retractable miniature control modules**: a range of **three modules** born to handle all **home automation systems**. **Ideal above all in the event of renovations**, since they enable to update existing installations **without having to carry out masonry work**.



### PRACTICAL VALUE

- **INVISIBLE:** so small that they can be inserted into the junction boxes, without the need to redo the previous installation or damage the walls of the house.
- **SIMPLE:** maximum ease and speed of installation, to connect all components you decide to automate that otherwise would be unreachable via cable.
- **LOW POWER CONSUMPTION:** these modules anticipate your needs, since they already comply with the directive on low power consumption for household appliances (Directive ErP Energy-related Products-2009/125/EC).

### TECHNICAL VALUE

#### DEV-T1

**Built-in, four-channel transmitter module.**

**INTENDED USE:** radio control of DEV-R1 and DEV-R2 modules.

**CHARACTERISTICS:** in addition to the V2 DEV modules, it runs with **all control units and receivers of the Personal Pass system of the Gate line**.

#### DEV-R1

**Module with integrated radio receiver to control a single-phase motor.**

**INTENDED USE:** ideal for controlling the automation of awnings, shutters, transom windows.

**CHARACTERISTICS:** it stores up to 30 Personal Pass transmitters.

#### DEV-R2

**Module with integrated radio receiver with relay output and usually open contact.**

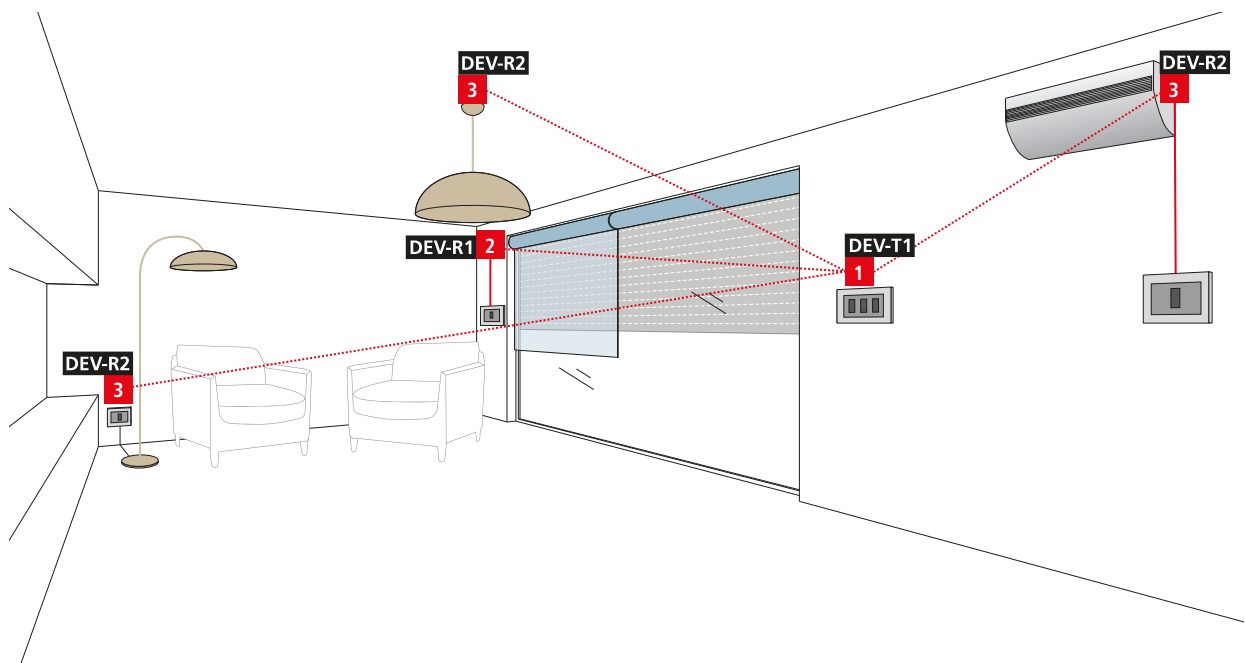
**INTENDED USE:** ideal for controlling the lighting system. The relay output can be programmed with monostable, bistable or timer operating logics.

**CHARACTERISTICS:** it stores up to 30 Personal Pass transmitters.





**dev:** see a possible installation solution



# phox

Miniature transmitter

## The future is in your hands

From the success of Phoenix, one of the most popular and worldwide appreciated V2 transmitters - an actual best-seller - comes Phox: the **same quality, reliability, ease of use, a product projected into the future** and with even increased performance, **to meet the needs of today's customers. And future ones.**



### PRACTICAL VALUE

- **PORTABLE INNOVATION:** great features in a **miniature and compact size** (32.4 x 63.2 x 8.41): a thin, practical and easy to handle remote control. Ideal to be always carried along.
- **EASY USABILITY:** design and technology perfectly combined, to use the remote control in a way as much immediate and practical as possible. Even **accessing the battery compartment** : just a move and a few seconds are required to recharge Phox.
- **MULTICOLOUR IDEA:** Phox matches the life and style of all, thanks to the outer cover , available in different **colour variants**.
- **PERSONAL ATTITUDE:** possibility to customize the outer cover with **corporate logos**, to give Phox an even more tailor made look.

### TECHNICAL VALUE

- **VERSATILITY:** **two-channel and four-channel version**, serialized at the origin, with the possibility of obtaining 3 and 14 channels (via the combination of keys).
- **SAFETY:** **rolling code technology** of the remote control, to ensure maximum safety conditions during use.
- **SERVICE LIFE:** Phox is small, but never tires out: with lithium **battery** it ensures high **reliability in terms of service life**.



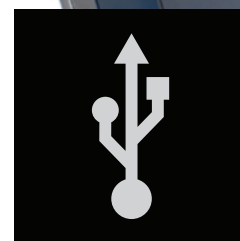


# personal pass

Serialized system for remote control

## Union makes strength

The V2 solution to **simplify the management of complex systems**. A system complemented by **serialized remote controls, receivers, decoders and keys**, capable of interfacing with a **software** designed to manage each user with a unique code, ensuring **quick installation and more safety for all**.

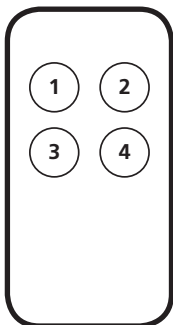


### PRACTICAL VALUE

- **PROTECTION FOR THE INSTALLER:** thanks to the contract code assigned to him, **no one else can operate on the system, supply spare parts or make changes**. Moreover Personal Pass considerably simplifies and speeds up not only the installation procedures, but also the maintenance of the system itself.
- **PROTECTION FOR THE USER:** each transmitter allows the specific user **to remotely manage both private and common accesses**, through a **unique code** assigned at the origin by the installer, which then allows the **personal identification, that cannot be duplicated, of each subject** who uses the system.

### TECHNICAL VALUE

- **HIGH VERSATILITY:** each 4-channel remote control can handle up to 14, combining the pressure of 2 or 3 keys. In addition, the system allows to combine the single key to a receiving channel with the preferred operational logics.
- **SIMPLIFIED MANAGEMENT:** the installer can create his own **database**, managing with ease even large systems. With the simple use of the PC and the **special WINPPCL software** he can create an **archive** of information, **delete or add users** to the database, **cancel a code and replace it in case of loss** of the remote control, plan maintenance in the best possible way.



The versatility of the system allows the management of different key combinations (remote control), channels (receiver outputs), while freely applying the preferred operational logics. This gives the possibility to the system to meet any particular requirement that the end user can submit to the installer.

REMOTE CONTROL KEY	RECEIVING CHANNEL	OPERATIONAL LOGICS
1	1	MONOSTABLE
2	3	TIMER 30s
3	4	BISTABLE
4	2	TIMER 90s
1 + 4	1	BISTABLE
1 + 3 + 4	2	MONOSTABLE

# value to time

Abreast of the times,  
reliable over time.

The sliding gate is the perfect solution to optimize space, where there is not enough room for the swing door.

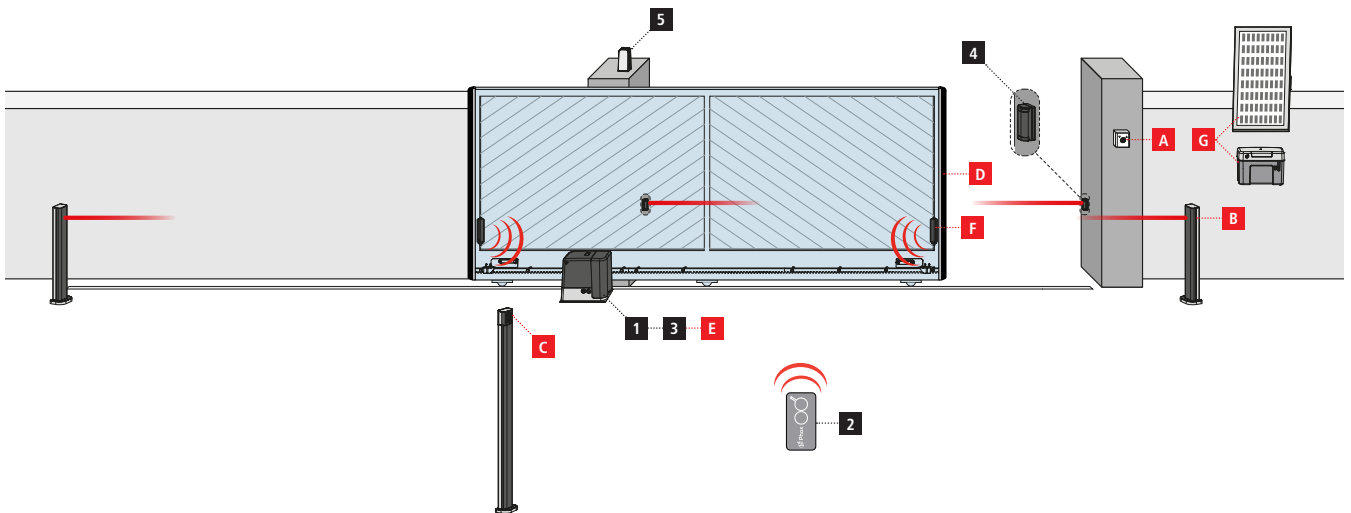
V2 automation systems are customized according to the weight and size of the gate, so as to withstand over time in any weather condition.

MOTORS FOR **SLIDING GATES**



# EXAMPLE SYSTEM MOTORS FOR SLIDING GATES

26|37



## COMPONENTS

- 1 Motor
- 2 Transmitter
- 3 Receiving module
- 4 Photocells
- 5 Flashing light

## ADDITIONAL ACCESSORIES

- A Key switch
- B Pillar photocells
- C Pillar-mounted digital radio switch
- D Safety edges
- E WES-ADI module (via radio management of edges)
- F WES sensors
- G ECO-LOGIC system

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Power supply (230 - 400V)	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174
ECO-LOGIC (accumulator unit)	2 x 1.5 mm <sup>2</sup>	-	-
ECO-LOGIC (solar panel)	2 x 1 mm <sup>2</sup>	-	-

# INDEX OF PRODUCTS

## MOTORS FOR **SLIDING GATES**



### Electromechanical for RESIDENTIAL USE

26|27 **alfariss**



28|29 **alfariss kit**

---

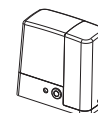
30|31 **ayros**



32|33 **ayros kit**

---

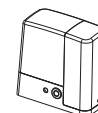
34|35 **forteco**



---

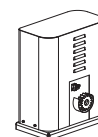
### Electromechanical for INDUSTRIAL USE

34|35 **forteco 2500 - I**



---

36|37 **hyperfor**



# SELECTION GUIDE MOTORS FOR SLIDING GATES



26|37

RESIDENTIAL USE

24V — digital control unit — magnetic limit switch — encoder —

230V — digital control unit — magnetic limit switch — encoder —

INDUSTRIAL USE

230V — digital control unit with inverter —  
— magnetic limit switch — encoder —  
— mechanical limit switch —

400V — digital control unit — mechanical limit switch —





gates up to <b>300 Kg</b>	→	<b>alfariss 300D-24V</b>	26 27
gates up to <b>600 Kg</b>	→	<b>ayros 600D-24V</b>	30 31
gates up to <b>1000 Kg</b>	→	<b>ayros 1000D-24V</b>	30 31
gates up to <b>400 Kg</b>	→	<b>ayros 400D-230V</b>	30 31
gates up to <b>800 Kg</b>	→	<b>ayros 800D-230V</b>	30 31
gates up to <b>1200 Kg</b>	→	<b>ayros 1200D-230V</b>	30 31
gates up to <b>1800 Kg</b>	→	<b>forteco 1800-230V</b>	34 35
gates up to <b>2200 Kg</b>	→	<b>forteco 2200-230V</b>	34 35
gates up to <b>2500 Kg</b>	→	<b>forteco 2500 - I</b>	34 35
gates up to <b>4000 Kg</b>	→	<b>hyperfor 4000 - I</b>	36 37
gates up to <b>4000 Kg</b>	→	<b>hyperfor 4000</b>	36 37



# alfariss

## 24V irreversible electromechanical rack actuator motor reducer

for sliding gates  
weighing up to 300 kg



Built-in digital control unit

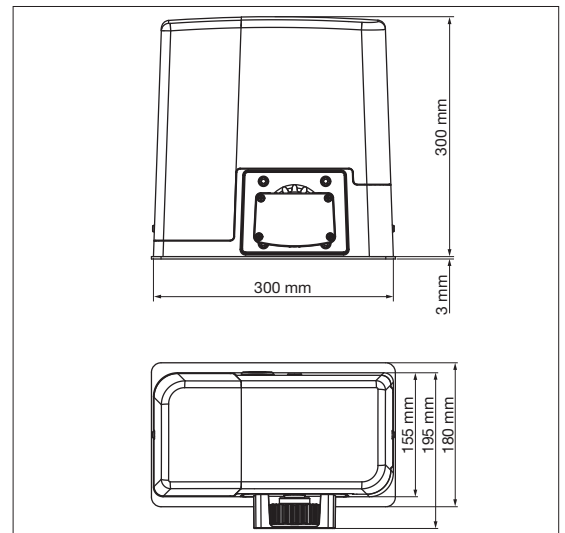
Housing of the backup battery

Painted aluminium casing



## alfariss PLUS

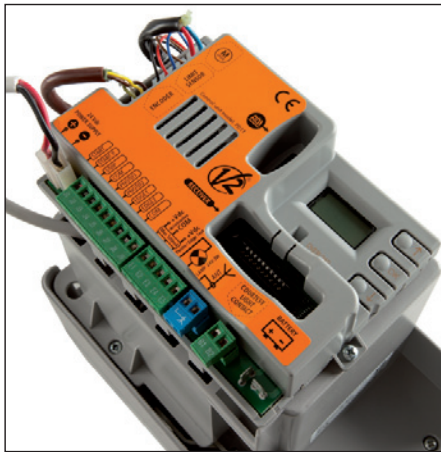
- Accurate and safe operation with encoder
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time



### TECHNICAL FEATURES

Description	24V gates up to 300 Kg
<b>MODEL</b>	<b>ALFARISS300D-24V</b>
<b>CODE</b>	<b>23B002</b>
Gate maximum weight (kg)	300
Power supply (V / Hz)	230 / 50
Maximum power (W)	150
Full load current @ 230Vac (A)	3
Gate speed (m / s)	0.14 (@ 300N) 0.26 (unloaded)
Maximum thrust (N)	330
Duty cycle (%)	50
Pinion	M4-Z16
Working temperature (°C)	-20 ÷ +55
Motor weight (kg)	7.5
Protection degree (IP)	44
Maximum load on 24 Vac accessories (W)	7

CONTROL UNIT



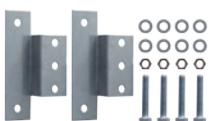
- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Energy Saving function to minimise consumption in stand-by mode
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slowing down in the limit switch area
- Soft start (programmable start-up rate)
- Monitoring of input status using the display
- ADI connector for connecting CL1+, WES-ADI, SYNCRO optional modules

Electrical connections of the control unit on page 123

ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161216 ▪ SYNCRO	161212 ▪ B-PACK
433.92 MHz plug-in receiver Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors	Backup battery with built-in charger



162330	162313	162329	162322	ACC009
Additional anchoring clamps	Nylon rack M4 - 6 attachments 1 m long with metallic insert	Galvanised metal rack 30x8 M4 1m long with fixing kit	Galvanised metal rack 30x12 M4 1m long with fixing kit	Warning sign



# alfariss kit

Installation kit for sliding gates  
weighing up to 300 kg

## COMPOSITION



**1**  
**24V irreversible electromechanical rack actuator motor reducer**



**2** **PHOX2**  
433.92MHz rolling code transmitter



**3** **MR2**  
Plug-in module receiver



**4** **SENSIVA-XS**  
Miniaturized wall-mounted and pillar-mounted photocells

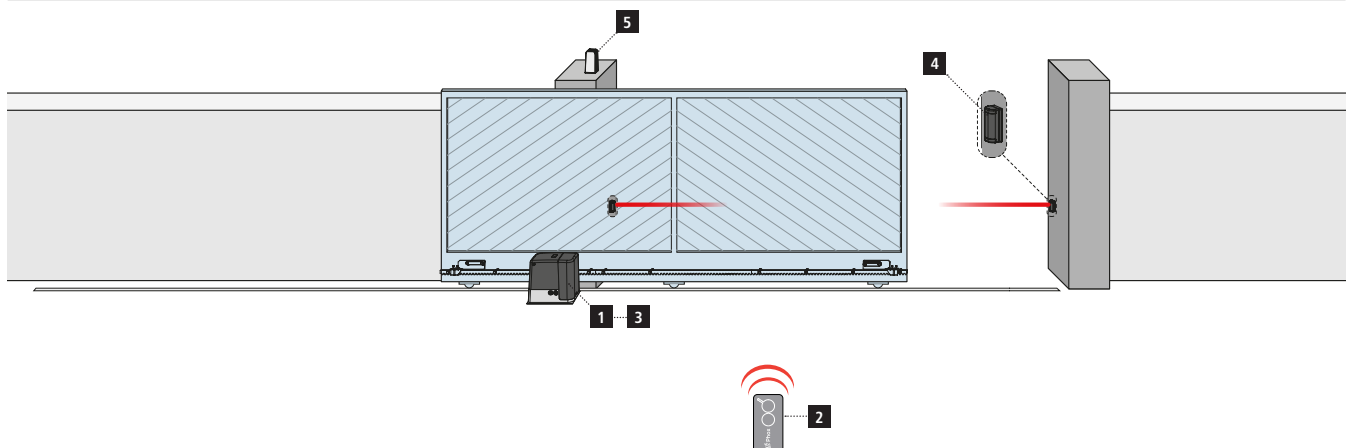


**5** **LUMOS-M**  
Led flashing light



**6** **ACC009**  
Warning sign

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section







**TECHNICAL FEATURES**

Description	24V gates up to 300 Kg
<b>MODEL</b>	<b>ALFARISS300D-24V</b>
<b>CODE</b>	<b>23B002</b>
Gate maximum weight (kg)	300
Power supply (V / Hz)	230 / 50
Maximum power (W)	150
Full load current @ 230Vac (A)	3
Gate speed (m / s)	0.14 (@ 300N) 0.26 (unloaded)
Maximum thrust (N)	330
Duty cycle (%)	50
Pinion	M4-Z16
Working temperature (°C)	-20 ÷ +55
Motor weight (kg)	7.5
Protection degree (IP)	44
Maximum load on 24 Vac accessories (W)	7

MOTORS FOR SLIDING GATES

**alfariss kit**

Selection guide

		<b>Kit MODEL</b> ▼	 <b>PHOX2</b>	 <b>MR2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	 <b>ACC009</b>	<b>Kit CODE</b> ▼
24V	300 Kg	<b>Kit Light</b> ALFARISS300D-24V	■ ■	■				30B007
		<b>Kit Full</b> ALFARISS300D-24V	■ ■	■	■	■	■	30B008



# ayros

## Irreversible electromechanical rack actuator motor reducer

for sliding gates weighing up to 1200 kg

Available in two versions: 24V and 230V



Built-in digital control unit

Housing of the backup battery (24V versions)

Painted aluminium casing

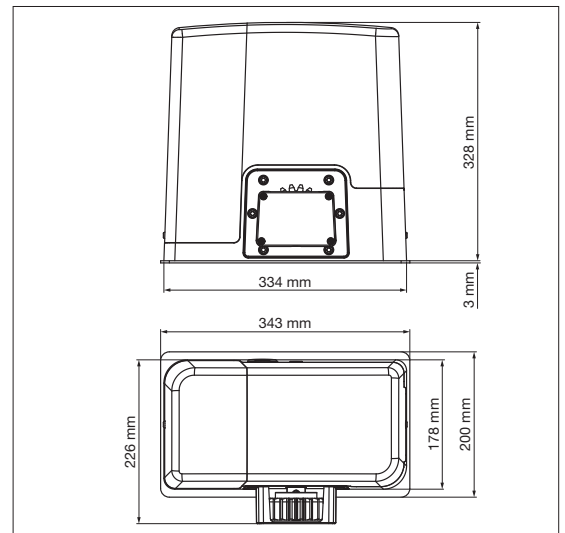


## ayros PLUS

- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time

### 24V versions:

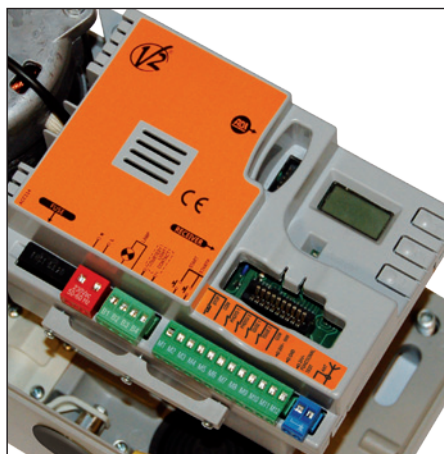
- Programmable acceleration and deceleration
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system



## TECHNICAL FEATURES

Description	24V gates up to 600 Kg	24V gates up to 1000 Kg	230V gates up to 400 Kg	230V gates up to 800 Kg	230V gates up to 1200 Kg
<b>MODEL</b>	<b>AYROS600D-24V</b>	<b>AYROS1000D-24V</b>	<b>AYROS400D-230V</b>	<b>AYROS800D-230V</b>	<b>AYROS1200D-230V</b>
<b>CODE</b>	<b>23C034</b>	<b>23C035</b>	<b>23C031</b>	<b>23C032</b>	<b>23C033</b>
Gate maximum weight (kg)	600	1000	400	800	1200
Power supply (V / Hz)	230 / 50	230 / 50	230 / 50	230 / 50	230 / 50
Maximum power (W)	400	550	350	500	600
Full load current @ 230Vac (A)	2	2.5	1.7	2	2.6
Gate speed (m / s)	0.14 (@ 300N) 0.26 (unloaded)	0.14 (@ 450N) 0.26 (unloaded)	0.16	0.16	0.16
Maximum thrust (N)	600	900	400	670	950
Duty cycle (%)	60	60	30	30	30
Pinion	M4-Z18	M4-Z18	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (kg)	16	18	14	15	16
Protection degree (IP)	44	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	10	10	10

**CONTROL UNIT**




- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Courtesy light output
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slow-down function in limit switch area
- Slow start function during opening (programmable start-up rate)
- ADI connector for connecting CL1+, WES-ADI, SYNCRO optional modules

**24V versions**

- Output for flashing light 24V with or without intermittence
- Output for flashing light 24V with or without intermittence

**230V versions**

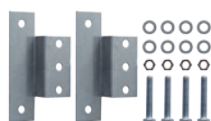
- Output for flashing light 230V with intermittence
- Brake function with programmable power

 Electrical connections of the control unit on page 123

**ACCESSORIES**



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161216 ▪ SYNCRO	161212 ▪ B-PACK
433.92 MHz plug-in receiver Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors	Backup battery with built-in charger



162330	162313	162329	162322	ACC009
Additional anchoring clamps	Nylon rack M4 - 6 attachments 1 m long with metallic insert	Galvanised metal rack 30x8 M4 1m long with fixing kit	Galvanised metal rack 30x12 M4 1m long with fixing kit	Warning sign



# ayros kit

Installation kit for sliding gates  
weighing up to 1000 kg

Available with 24V and 230V motors

## COMPOSITION



**1** Irreversible electromechanical rack actuator motor reducer



**2** PHOX2  
433.92MHz rolling code transmitter



**3** MR2  
Plug-in module receiver



**4** SENSIVA-XS  
Miniaturized wall-mounted and pillar-mounted photocells

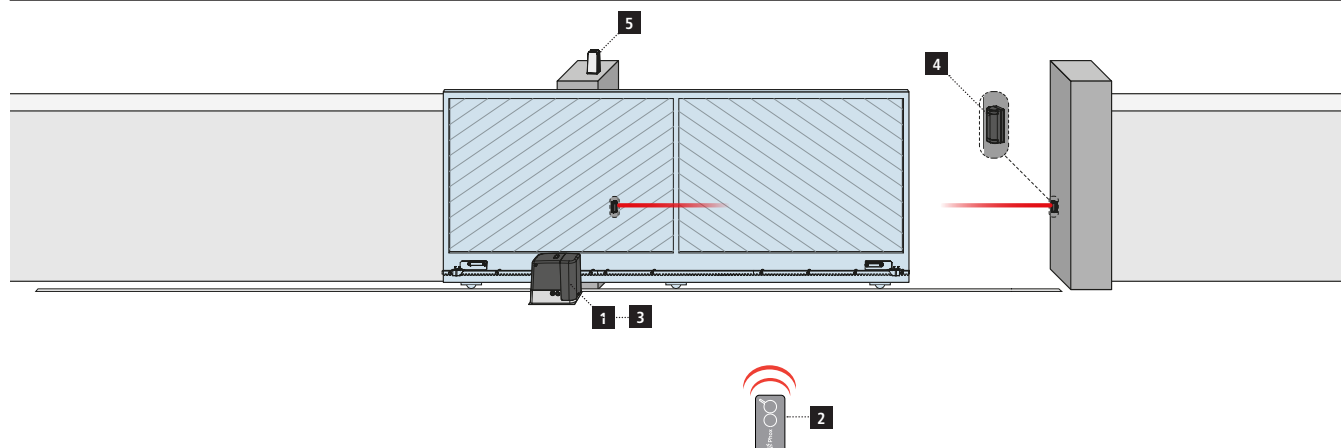


**5** LUMOS-M  
Led flashing light



**6** ACC009  
Warning sign

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section











**TECHNICAL FEATURES**

Description	24V gates up to <b>600 Kg</b>	24V gates up to <b>1000 Kg</b>	230V cancelli fino a <b>400 Kg</b>	230V cancelli fino a <b>800 Kg</b>
<b>MODEL</b>	<b>AYROS600D-24V</b>	<b>AYROS1000D-24V</b>	<b>AYROS400D-230V</b>	<b>AYROS800D-230V</b>
<b>CODE</b>	<b>23C034</b>	<b>23C035</b>	<b>23C031</b>	<b>23C032</b>
Gate maximum weight (kg)	600	1000	400	800
Power supply (V / Hz)	230 / 50	230 / 50	230 / 50	230 / 50
Maximum power (W)	400	550	350	500
Full load current @ 230Vac (A)	2	2.5	1.7	2
Gate speed (m / s)	0.14 (@ 300N) 0.26 (unloaded)	0.14 (@ 450N) 0.26 (unloaded)	0.16	0.16
Maximum thrust (N)	600	900	400	670
Duty cycle (%)	60	60	30	30
Pinion	M4-Z18	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (kg)	16	18	14	15
Protection degree (IP)	44	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	10	10

MOTORS FOR SLIDING GATES

**ayros kit**

**Selection guide**

		<b>Kit MODEL</b>						<b>Kit CODE</b>
		▼	<b>PHOX2</b>	<b>MR2</b>	<b>SENSIVA-XS</b>	<b>LUMOS-M</b>	<b>ACC009</b>	▼
24V	600 Kg	<b>Kit Light</b> AYROS600D-24V	■ ■	■				30C072
		<b>Kit Full</b> AYROS600D-24V	■ ■	■	■	■	■	30C073
	1000 Kg	<b>Kit Light</b> AYROS1000D-24V	■ ■	■				30C074
		<b>Kit Full</b> AYROS1000D-24V	■ ■	■	■	■	■	30C075
230V	400 Kg	<b>Kit Light</b> AYROS400D-230V	■ ■	■				30C076
		<b>Kit Full</b> AYROS400D-230V	■ ■	■	■	■	■	30C077
	800 Kg	<b>Kit Light</b> AYROS800D-230V	■ ■	■				30C078
		<b>Kit Full</b> AYROS800D-230V	■ ■	■	■	■	■	30C079



# forteco

## 230V irreversible electromechanical rack actuator motor reducer

for sliding gates weighing up to 2500 kg

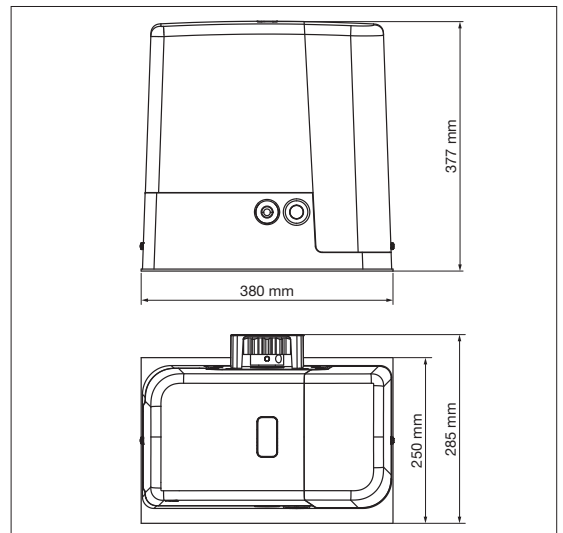


## forteco PLUS

- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Magnetic limit switches, all accurate and reliable over time
- Possibility to fit an M6 pinion

### 2500-I version:

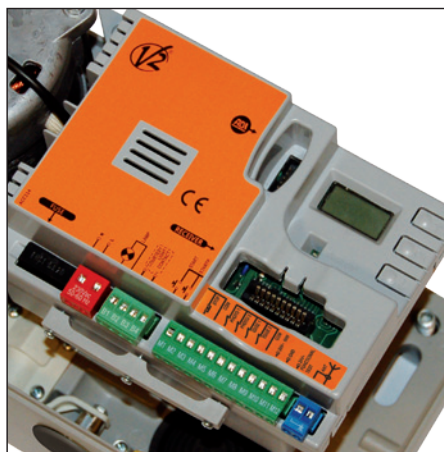
- Three-phase motor with inverter with 230V control unit
- Programmable acceleration and deceleration



## TECHNICAL FEATURES

Description	230V gates up to 1800 Kg	230V gates up to 2200 Kg	230V gates up to 2500 Kg 3-phase motor with inverter board
<b>MODEL</b>	<b>FORTECO 1800-230V</b>	<b>FORTECO 2200-230V</b>	<b>FORTECO 2500-I</b>
<b>CODE</b>	<b>23E014</b>	<b>23E015</b>	<b>23E011</b>
Gate maximum weight (kg)	1800	2200	2500
Power supply (V / Hz)	230 / 50	230 / 50	230 / 50
Maximum power (W)	650	800	650
Full load current @ 230Vac (A)	3,2	4	3,7
Gate speed (m / s)	0.16	0.16	0.035 - 0.26
Maximum thrust (N)	1300	1550	1660
Duty cycle (%)	35	35	50
Pinion	M4-Z18	M4-Z18	M4-Z18
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor weight (kg)	18	18	19
Protection degree (IP)	44	44	44
Maximum load on 24 Vac accessories (W)	10	10	10

## CONTROL UNIT



 Electrical connections of the control unit on page 123

- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 230V with intermittence
- Courtesy light output
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slow-down function in limit switch area
- Slow start function during opening (programmable start-up rate)
- Brake function with programmable power
- ADI connector for connecting CL1+, WES-ADI, SYNCRO optional modules

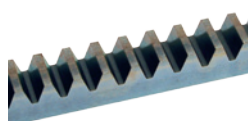
### 2500-I version

- Speed adjustable from 0.035 to 0.26 m/s during both stroke and slow down
- Dynamic management of the torque during all phases of the opening / closing cycle

## ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161216 ▪ SYNCRO
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors



162322	162324	162323	MM017B	ACC009
Galvanised metal rack 30x12 M4 1m long with fixing kit	Galvanised metal rack 22x22 M4 1 m long	Galvanised metal rack 30x30 M6 1 m long	M6 pinion for 162323 rack	Warning sign



# hyperfor

## Irreversible electromechanical rack actuator motor reducer

for sliding gates weighing up to 4000 kg

Available in two versions **230V three-phase with inverter** and **400V three-phase**



Built-in digital control unit

Galvanized painted sheet steel cabinet

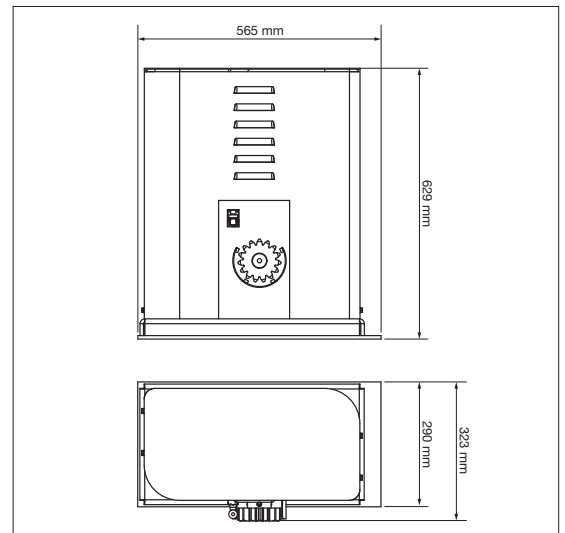


## hyperfor PLUS

- Intensive operation even with large gates
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two motors using the SYNCRO module
- Possibility to adjust the gearmotor torque
- Industrial electromechanical limit switch and M6 pinion

### 230V version with inverter:

- Three-phase motor with inverter with 230V control unit
- Programmable acceleration and deceleration



## TECHNICAL FEATURES

Description	230V three-phase with inverter gates up to 4000 Kg	400V three-phase gates up to 4000 Kg
<b>MODEL</b>	<b>HYPERFOR 4000-I</b>	<b>HYPERFOR 4000</b>
<b>CODE</b>	<b>23F003</b>	<b>23F004</b>
Gate maximum weight (kg)	4000	4000
Power supply (V / Hz)	230 / 50	400 / 50
Maximum power (W)	1100	1100
Full load current (A)	5	2
Gate speed (m / s)	0.016 ÷ 0.32	0.16
Maximum thrust (N)	4800	4800
Duty cycle (%)	50	50
Pinion	M6-Z15	M6-Z15
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Motor weight (kg)	35	35
Protection degree (IP)	55	55
Maximum load on 24 Vac accessories (W)	10	10

## CONTROL UNIT



- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 230V with intermittence
- Three programmable relay outputs such as lights, electric lock, warning light, electric brake or functioning test 12Vdc
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- ADI connector for connecting CL1+, WES-ADI, SYNCRO optional modules

### 230V version with INVERTER

- Speed adjustable from 0.035 to 0.26 m/s during both stroke and slow down
- Dynamic management of the torque during all phases of the opening / closing cycle

 Electrical connections of the control unit on page 121

- HYPERFOR 4000-I - HEAVY1 control unit
- HYPERFOR 4000 - HEAVY2 control unit

## ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161216 ▪ SYNCRO
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI modules for synchronized operation of two motors



162323 Galvanised metal rack 30x30 M6 1 m long	ACC009 Warning sign
--	------------------------

# Value to beauty

Classical beauty meets  
contemporary ease of use.

A swing gate has always been an element able to add value to the charm of the house. Through the installation of a V2 motor, you add to the beauty of this type of gate the convenience of a safe and efficient automatic opening system.  
Make the most of your world.

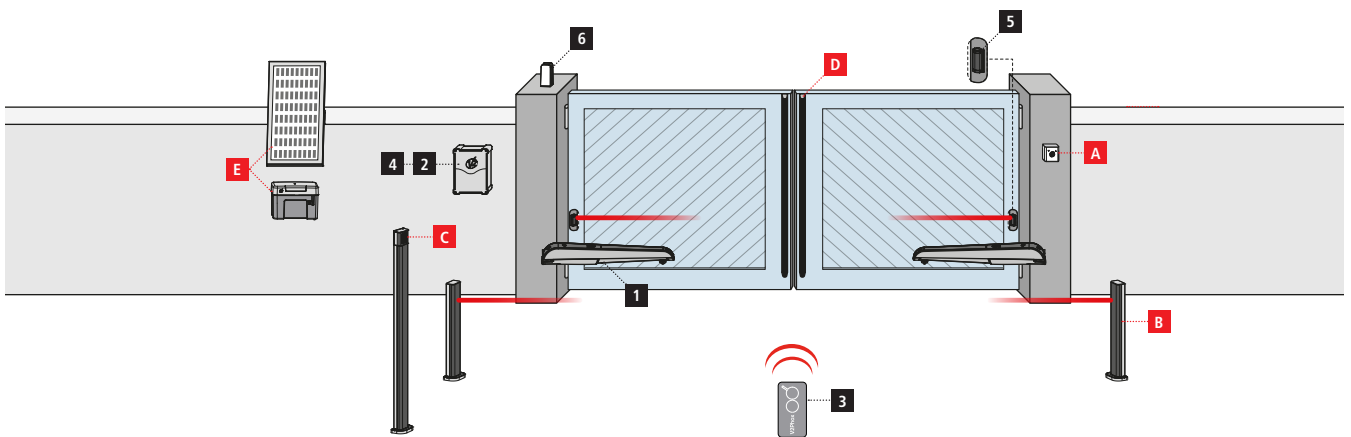
MOTORS FOR **SWING GATES**





# EXAMPLE SYSTEM MOTORS FOR SWING GATES

44|69



## COMPONENTS

- 1** Motor
- 2** Control unit
- 3** Transmitter
- 4** Receiving module
- 5** Photocells
- 6** Flashing light

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Pillar photocells
- C** Pillar-mounted digital radio switch
- D** Safety edges
- E** ECO-LOGIC system

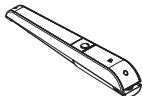
## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
230V motor power supply	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
24V motor power supply	2G x 1.5 mm <sup>2</sup>	2G x 1.5 mm <sup>2</sup>	2G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Safety edges	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174
ECO-LOGIC (accumulator unit)	2 x 1.5 mm <sup>2</sup>	-	-
ECO-LOGIC (solar panel)	2 x 1 mm <sup>2</sup>	-	-

# INDEX OF PRODUCTS MOTORS FOR SWING GATES



## Motors for EXTERNAL INSTALLATION

44|45 **axil** 

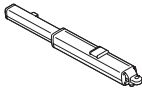
46|47 **axil kit**


48|49 **calypso** 

50|51 **calypso kit**

52|53 **bingo** 

54|55 **lycos** 

56|57 **ursus** 

58|59 **zariss** 

60|61 **zariss kit**

62|63 **ciclón** 

64|65 **blitz** 

## Motors for UNDERGROUND INSTALLATION

66|67 **vulcan** 

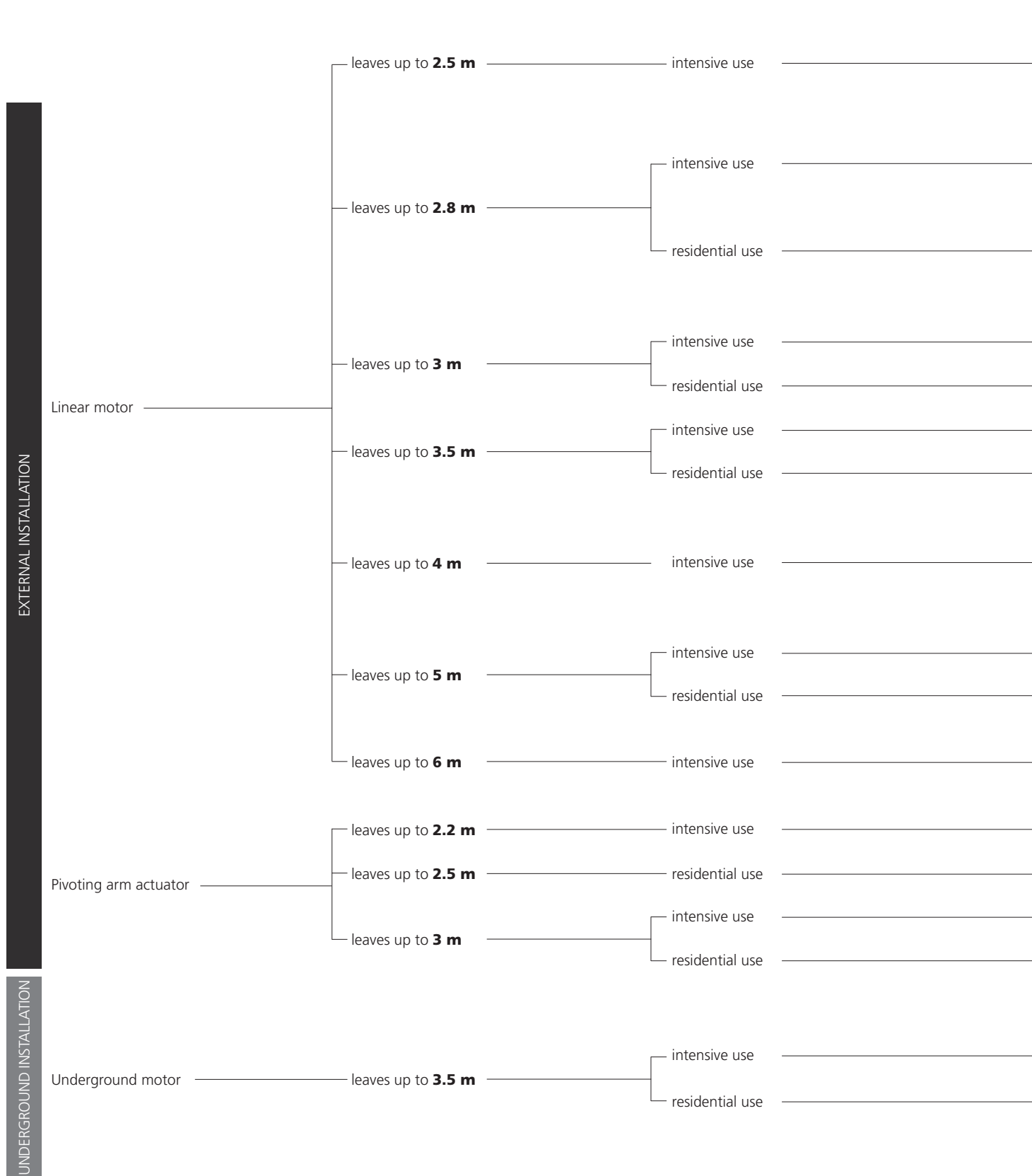
68|69 **vulcan kit**

# SELECTION GUIDE

## MOTORS FOR SWING GATES



44|69



24V	electromechanical	→	<b>calypso 400-24V</b>	48 49
230V	hydraulic reversible	→	<b>lycos -R</b>	54 55
	hydraulic irreversible	→	<b>lycos -I</b>	54 55
24V	electromechanical with encoder	→	<b>axil -24V</b>	44 45
230V	electromechanical	→	<b>axil</b>	44 45
	electromechanical with encoder	→	<b>axil -ECD</b>	44 45
	electromechanical with electrical limit switch	→	<b>axil -FC</b>	44 45
24V	electromechanical	→	<b>calypso 500-24V</b>	48 49
230V	electromechanical	→	<b>calypso 500-230V</b>	48 49
24V	electromechanical	→	<b>bingo 400-24V</b>	52 53
230V	electromechanical	→	<b>bingo 400</b>	52 53
230V	hydraulic reversible	→	<b>ursus -31</b>	56 57
	hydraulic reversible shock absorber in closing	→	<b>ursus -A31</b>	56 57
	hydraulic irreversible shock absorber in closing	→	<b>ursus -A33</b>	56 57
24V	electromechanical	→	<b>bingo 500-24V</b>	52 53
230V	electromechanical	→	<b>bingo 500</b>	52 53
230V	hydraulic reversible shock absorber in closing	→	<b>ursus -A41</b>	56 57
	hydraulic irreversible shock absorber in closing	→	<b>ursus -A43</b>	56 57
24V	electromechanical	→	<b>zariss</b>	58 59
230V	electromechanical	→	<b>ciclón</b>	62 63
24V	electromechanical	→	<b>blitz -24V</b>	64 65
230V	electromechanical	→	<b>blitz -230V</b>	64 65
24V	electromechanical	→	<b>vulcan -24V</b>	66 67
230V	electromechanical	→	<b>vulcan -230V</b>	66 67

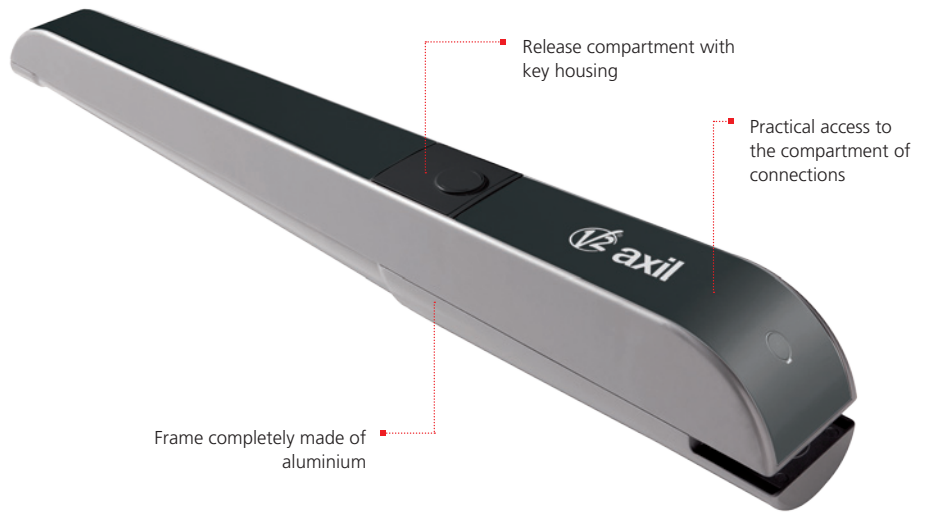


# axil

## Irreversible electromechanical actuator

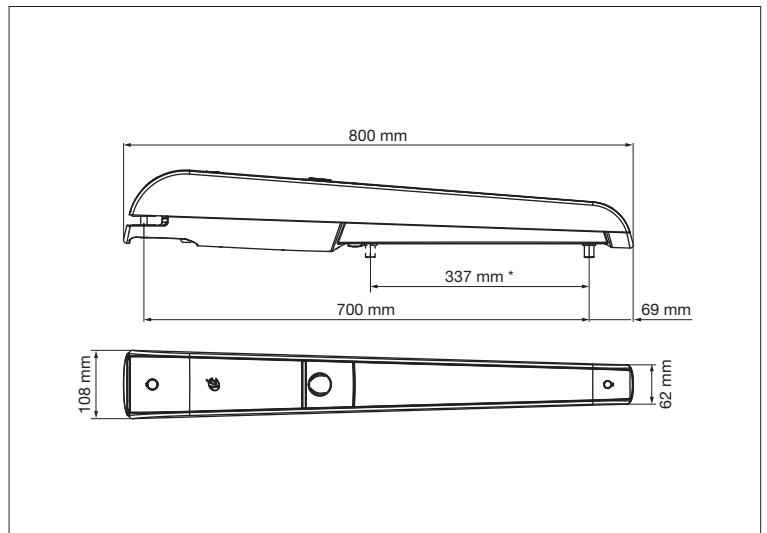
for swing gates with leaves up to 2.8 m in length

Available in two versions: 24V and 230V



## axil PLUS

- All the models in the Axil range are fitted with opening mechanical limit stop
- Practical wiring compartment
- Internal start capacitor
- Versions with encoder for accurate and safe operation
- Version with electrical limit switch in opening
- 24V version for intensive use



## TECHNICAL FEATURES

Description	230V opening mechanical stop	230V opening electrical limit switch	230V encoder	24V encoder
<b>MODEL</b>	<b>AXIL</b>	<b>AXIL-FC</b>	<b>AXIL-ECD</b>	<b>AXIL-24V</b>
<b>CODE</b>	<b>22J001</b>	<b>22J002</b>	<b>22J003</b>	<b>22J005</b>
Maximum leaf length (m)	2.8	2.8	2.8	2.8
Maximum leaf weight (Kg)	300	300	300	300
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	24 Vdc
Idling current (A)	0.8	0.8	0.8	1.0
Full load current (A)	1.1	1.1	1.1	8.0
Motor power (W)	230	230	230	200
Capacitor (µF)	6.3	6.3	6.3	-
Maximum travel (mm)	350	350	350	350
Operating speed (m/s)	0.016	0.016	0.016	0.02 - 0.012
Maximum thrust (N)	1700	1700	1700	1700
Working temperature (°C)	-30 ÷ +55	-30 ÷ +55	-30 ÷ +55	-30 ÷ +55
Protection degree (IP)	44	44	44	44
Duty cycle (%)	35	35	35	60
Motor weight (Kg)	7.5	7.5	7.5	7.5

## CONTROL UNITS TO BE USED

M  
230V



M  
230V



M  
230V



### CITY1

Digital control unit for 230V motors

### FLEXY2

Analogue control unit for 230V motors

### CITY11

Analogue control unit for 230V motors.  
Output for 12V electrolock

M  
24V



### CITY2+L

Digital control unit for 24V motors

## ACCESSORIES



### 162223

Closing mechanical stop

### 162224

Front screw bracket

### 162225

Rear screw bracket

### ACC009

Warning sign



# axil kit

Installation kit for swing gates  
with leaves up to 2.8 m long

Available with 24V and 230V motors

## COMPOSITION



**1** Irreversible electromechanical actuator



**2** CITY1  
Digital control unit for 230V motors



**2** CITY2+L  
Digital control unit for 24V motors



**3** PHOX2  
433.92MHz rolling code transmitter



**4** MR2  
Plug-in module receiver



**5** SENSIVA-XS  
Miniaturized wall-mounted and pillar-mounted photocells

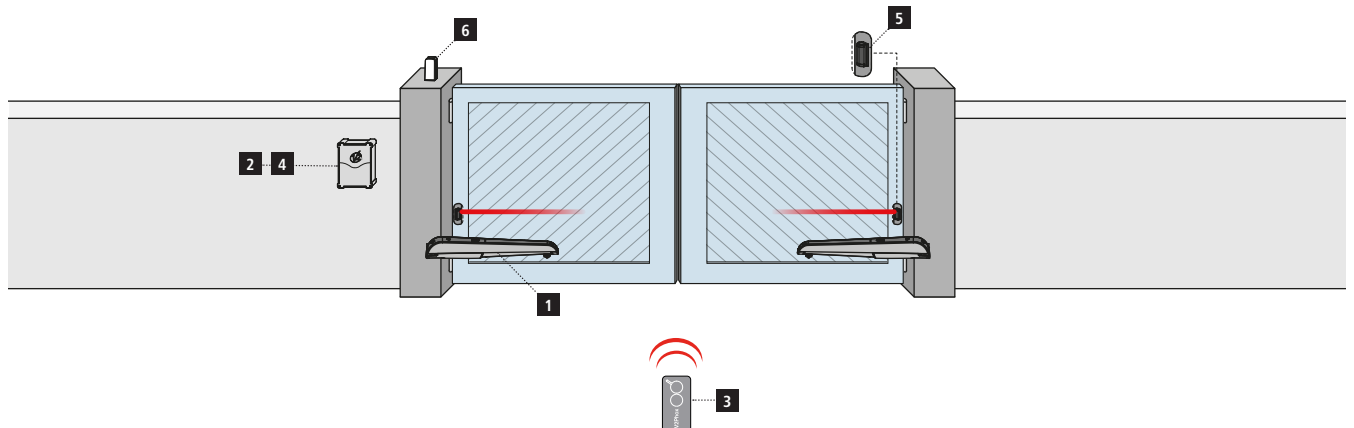


**6** LUMOS-M  
Led flashing light



**7** ACC009  
Warning sign

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section












**TECHNICAL FEATURES**

Description	230V opening mechanical stop	24V encoder
<b>MODEL</b>	<b>AXIL</b>	<b>AXIL-24V</b>
<b>CODE</b>	<b>22J001</b>	<b>22J005</b>
Maximum leaf length (m)	2.8	2.8
Maximum leaf weight (Kg)	300	300
Power supply (Vac - Hz)	230 - 50	24 Vdc
Idling current (A)	0.8	1.0
Full load current (A)	1.1	8.0
Motor power (W)	230	200
Capacitor (µF)	6.3	-
Maximum travel (mm)	350	350
Operating speed (m/s)	0.016	0.02 - 0.012
Maximum thrust (N)	1700	1700
Working temperature (°C)	-30 ÷ +55	-30 ÷ +55
Protection degree (IP)	44	44
Duty cycle (%)	35	60
Motor weight (Kg)	7.5	7.5

MOTORS FOR SWING GATES

	<b>Kit MODEL</b> ▼	 <b>CONTROL UNIT</b>	 <b>PHOX2</b>	 <b>MR2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	 <b>ACC009</b>	<b>Kit CODE</b> ▼
230V	<b>Kit Light</b> AXIL-230V	<b>CITY1</b>	■ ■	■				29F017
	<b>Kit Full</b> AXIL-230V	<b>CITY1</b>	■ ■	■	■	■	■	29F018
24V	<b>Kit Light</b> AXIL-24V	<b>CITY2+L</b>	■ ■	■				29F015
	<b>Kit Full</b> AXIL-24V	<b>CITY2+L</b>	■ ■	■	■	■	■	29F016



# calypso

## Irreversible electromechanical actuator

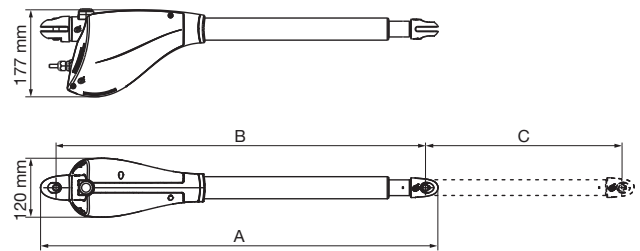
for swing gates with leaves up to 3 m in length

Available in two versions: 24V and 230V



## calypso PLUS

- Single version for both right and left leaves
- Practical release system
- 24V version for intensive use
- 400 version for leaves up to 2.5 m
- 500 version for leaves up to 3 m



	CALYPSO 400	CALYPSO 500
A	819	944
B	762	887
C	400	500

## TECHNICAL FEATURES

Description	230V	230V	24V	24V
	for leaves up to 2.5 m - 400 Kg	for leaves up to 3 m - 500 Kg	for leaves up to 2.5 m - 300 Kg	for leaves up to 3 m - 400 Kg
MODEL	CALYPSO 400	CALYPSO 500	CALYPSO 400-24V	CALYPSO 500-24V
CODE	22G001	22G003	22G014	22G015
Maximum leaf length (m)	2.5	3	2.5	3
Maximum leaf weight (Kg)	400	500	300	400
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc	24 Vdc
Idling current (A)	0.8	0.8	0.5	0.5
Full load current (A)	1.2	1.2	6	6
Motor power (W)	250	250	100	100
Capacitor (µF)	8	8	-	-
Maximum travel (mm)	400	500	400	500
Operating speed (m/s)	0.016	0.016	0.015	0.015
Maximum thrust (N)	2900	2900	1500	1500
Working temperature (°C)	-30 ÷ +50	-30 ÷ +50	-30 ÷ +50	-30 ÷ +50
Protection degree (IP)	44	44	44	44
Duty cycle (%)	30	30	90	90
Motor weight (Kg)	6.5	6.8	6.3	6.6

**CONTROL UNITS TO BE USED**

M  
230V



M  
230V



M  
230V



**CITY1**

Digital control unit for 230V motors

**FLEXY2**

Analogue control unit for 230V motors

**CITY11**

Analogue control unit for 230V motors.  
Output for 12V electrolock

M  
24V



**CITY2+L**

Digital control unit for 24V motors

**ACCESSORIES**



**162237**

Kit of brackets to be screwed

**ACC009**

Warning sign



# calypso kit

Installation kit for swing gates  
with leaves up to 2.5 m long

Available with 24V and 230V motors

## COMPOSITION



**1**  
**Irreversible electromechanical actuator**



**2** CITY1  
Digital control unit for 230V motors



**2** FLEXY2  
Analogue control unit for 230V motors



**2** CITY2+L  
Digital control unit for 24V motors



**3** PHOX2  
433.92MHz rolling code transmitter



**4** MR2  
Plug-in module receiver



**5** SENSIVA-XS  
Miniaturized wall-mounted and pillar-mounted photocells

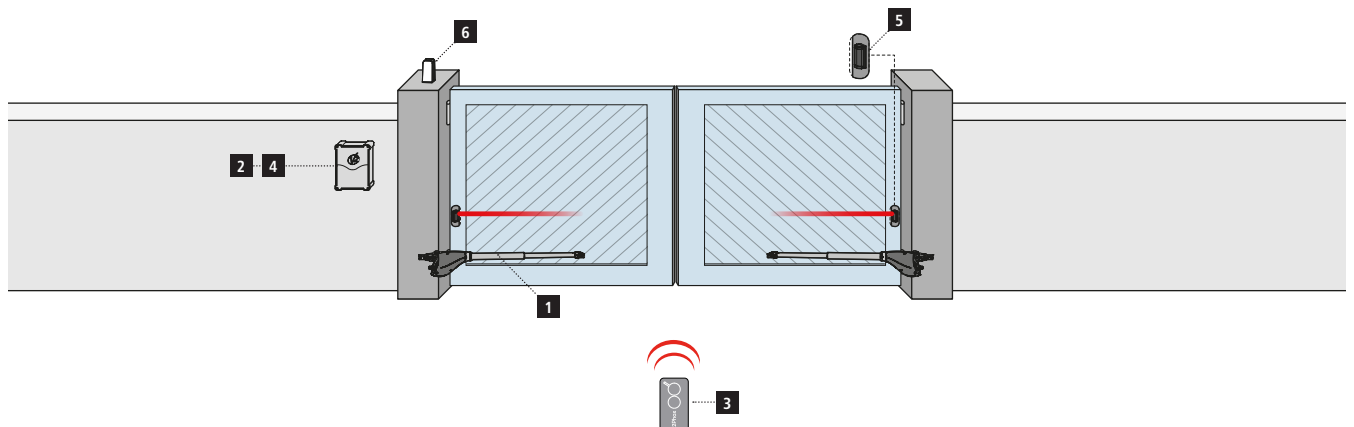


**6** LUMOS-M  
Led flashing light



**7** ACC009  
Warning sign

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section



**TECHNICAL FEATURES**

Description	230V for leaves up to 2.5 m - 400 Kg	24V for leaves up to 2.5 m - 300 Kg
<b>MODEL</b>	<b>CALYPSO 400</b>	<b>CALYPSO 400-24V</b>
<b>CODE</b>	<b>22G001</b>	<b>22G014</b>
Maximum leaf length (m)	2.5	2.5
Maximum leaf weight (Kg)	400	300
Power supply (Vac - Hz)	230 - 50	24 Vdc
Idling current (A)	0.8	0,5
Full load current (A)	1.2	6
Motor power (W)	250	100
Capacitor (µF)	8	-
Maximum travel (mm)	400	400
Operating speed (m/s)	0.016	0.015
Maximum thrust (N)	2900	1500
Working temperature (°C)	-30 ÷ +50	-30 ÷ +50
Protection degree (IP)	44	44
Duty cycle (%)	30	90
Motor weight (Kg)	6.5	6.3

MOTORS FOR SWING GATES

**calypso kit**

Selection guide

	<b>Kit MODEL</b>	 <b>CONTROL UNIT</b>	 <b>PHOX2</b>	 <b>MR2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	 <b>ACC009</b>	<b>Kit CODE</b>
230V	<b>Kit Light-D</b> CALYPSO-230V	<b>CITY1</b>	■ ■	■				29D031
	<b>Kit Full-D</b> CALYPSO-230V	<b>CITY1</b>	■ ■	■	■	■	■	29D032
	<b>Kit Light-A</b> CALYPSO-230V	<b>FLEXY2</b>	■ ■					29D029
	<b>Kit Full-A</b> CALYPSO-230V	<b>FLEXY2</b>	■ ■		■	■	■	29D030
24V	<b>Kit Light</b> CALYPSO-24V	<b>CITY2+L</b>	■ ■	■				29D033
	<b>Kit Full</b> CALYPSO-24V	<b>CITY2+L</b>	■ ■	■	■	■	■	29D034



# bingo

## Irreversible electromechanical actuator

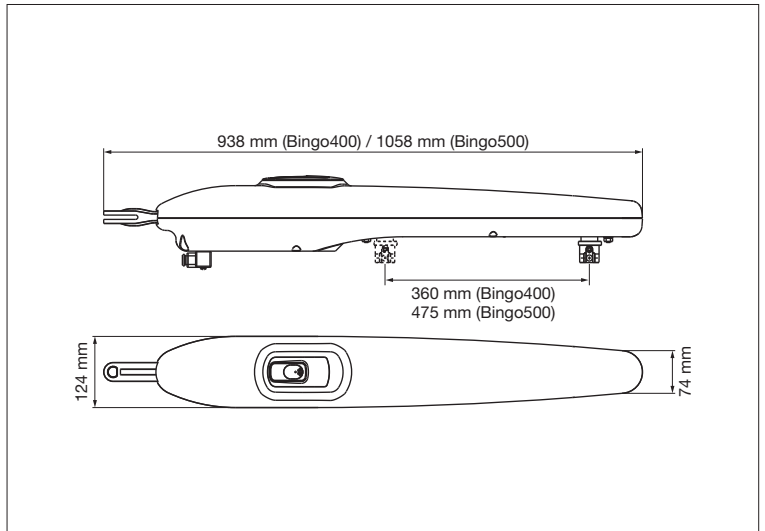
for swing gates with leaves up to 5 m in length

Available in two versions: **24V** and **230V**



## bingo PLUS

- All the models are fitted with both opening and closing mechanical limit stop; side stops are no longer required on the gate
- Internal start capacitor
- 24V version for intensive use
- 400 version for leaves up to 2.5 m
- 500 version for leaves up to 3 m



## TECHNICAL FEATURES

Description	230V for leaves up to 3.5 m - 400 Kg	230V for leaves up to 5 m - 500 Kg	24V for leaves up to 3.5 m - 350 Kg	24V for leaves up to 5 m - 400 Kg
MODEL	BINGO 400	BINGO 500	BINGO 400-24V	BINGO 500-24V
CODE	22B001	22B007	22B006	22B011
Maximum leaf length (m)	3.5	5	3,5	5
Maximum leaf weight (Kg)	400	500	350	400
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc	24 Vdc
Idling current (A)	2	2	1.8	1.8
Full load current (A)	3.2	3.2	5	5
Motor power (W)	480	480	120	120
Capacitor (µF)	8	8	-	-
Maximum travel (mm)	370	490	370	490
Operating speed (m/s)	0.017	0.017	0.010 - 0.018	0.010 - 0.018
Maximum thrust (N)	1800	1800	1800	1800
Working temperature (°C)	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60	-30 ÷ +60
Protection degree (IP)	34	34	34	34
Duty cycle (%)	30	30	80	80
Motor weight (Kg)	11	12	11	12

**CONTROL UNITS TO BE USED**

M  
230V



M  
230V



M  
230V



**CITY1**

Digital control unit for 230V motors

**FLEXY2**

Analogue control unit for 230V motors

**CITY11**

Analogue control unit for 230V motors.  
Output for 12V electrolock

M  
24V



**CITY2+L**

Digital control unit for 24V motors

**ACCESSORIES**



**ACC009**

Warning sign



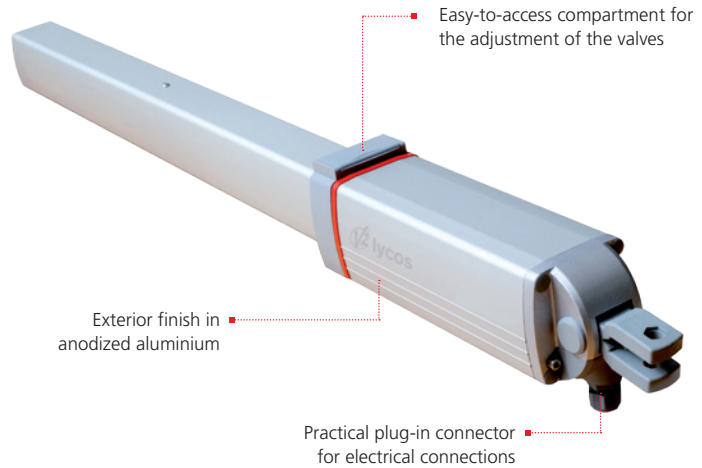


# lycos

## 230V hydraulic actuator

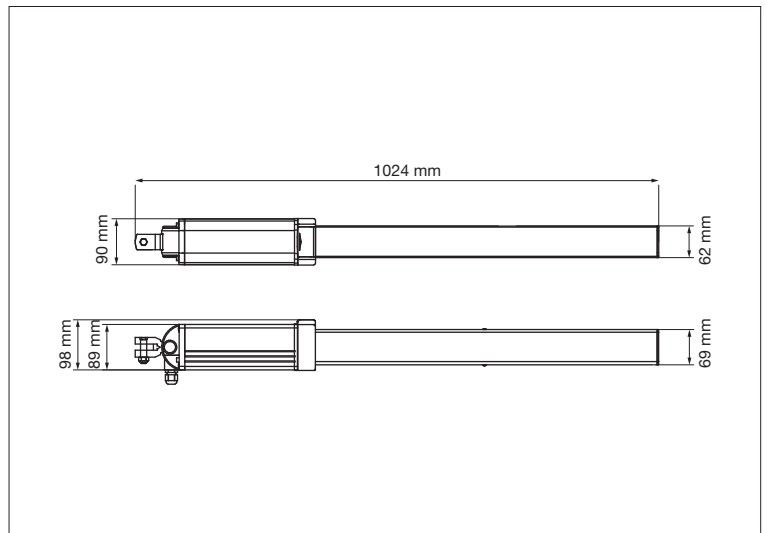
for swing gates with leaves **up to 2.5 m in length**

Available in two versions: **reversible and irreversible**



## lycos PLUS

- Ideal for intensive use
- Single version for right and left leaf
- Reversible version and version with opening and closing lock
- Closure mechanic shock absorber
- Push and pull adjustment through adjustable valves



## TECHNICAL FEATURES

Description	230V reversible for leaves up to 2.5 m - 300 Kg	230V irreversible for leaves up to 2.5 m - 300 Kg
<b>MODEL</b>	<b>LYCOS-R</b>	<b>LYCOS-I</b>
<b>CODE</b>	<b>22D007</b>	<b>22D008</b>
Maximum leaf length (m)	2.5	2.5
Maximum leaf weight (Kg)	300	300
Power supply (Vac - Hz)	230 - 50	230 - 50
Full load current (A)	0.7	0.7
Motor power (W)	160	160
Capacitor (µF)	10	10
Maximum travel (mm)	265	265
Operating speed (m/s)	0.013	0.013
Maximum thrust (N)	3000	3000
Working temperature (°C)	-30 ÷ +60	-30 ÷ +60
Protection degree (IP)	54	54
Duty cycle (%)	75	75
Motor weight (Kg)	7.5	7.5

**CONTROL UNITS TO BE USED**



CITY1	FLEXY2	CITY11
Digital control unit for 230V motors	Analogue control unit for 230V motors	Analogue control unit for 230V motors. Output for 12V electrolock

MOTORS FOR SWING GATES

**ACCESSORIES**



**ACC009**

Warning sign

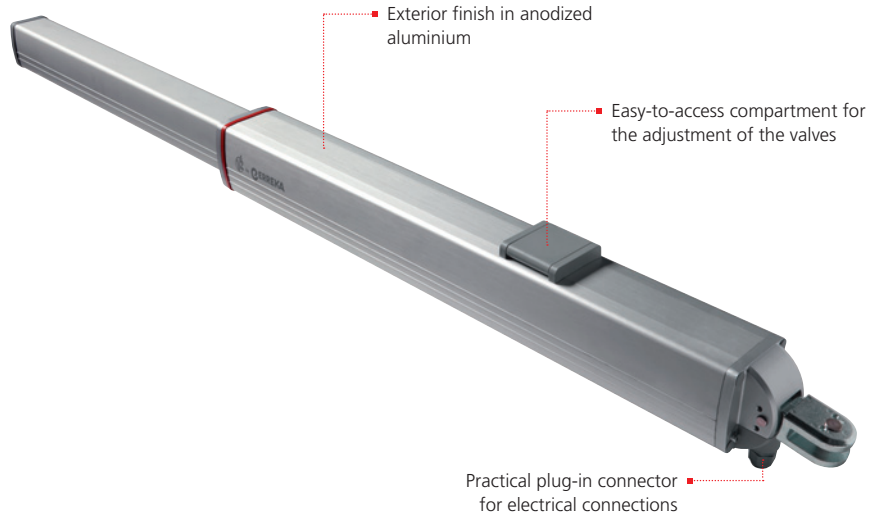


# ursus

## 230V hydraulic actuator

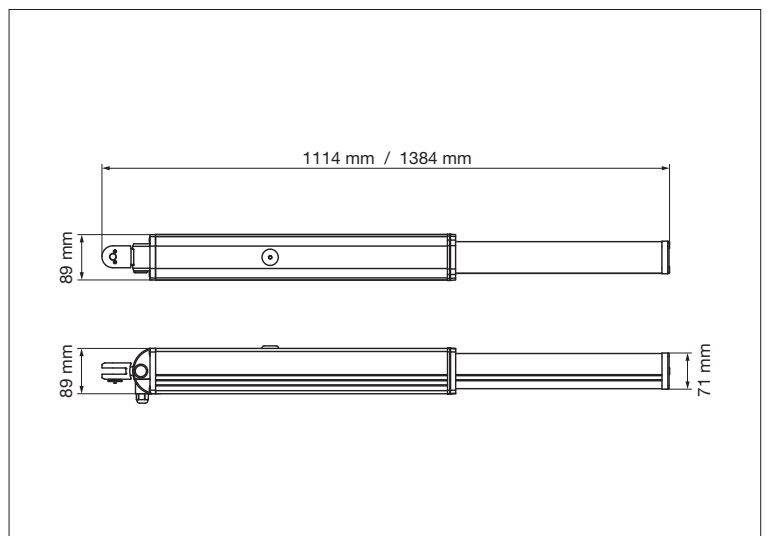
for swing gates with leaves up to 6 m in length

Available in two versions: reversible and irreversible



## ursus PLUS

- Ideal for intensive use
- Single version for right and left leaf
- Reversible version and version with opening and closing lock
- Closure mechanic shock absorber
- Push and pull adjustment through adjustable valves



## TECHNICAL FEATURES

Description	230V reversible leaves up to 4 m - 700 Kg	230V reversible leaves up to 4 m - 700 Kg shock absorber in closing	230V irreversible leaves up to 4 m - 700 Kg shock absorber in closing	230V reversible leaves up to 6 m - 700 Kg shock absorber in closing	230V irreversible leaves up to 6 m - 700 Kg shock absorber in closing
<b>MODEL</b>	<b>URSUS-31</b>	<b>URSUS-A31</b>	<b>URSUS-A33</b>	<b>URSUS-A41</b>	<b>URSUS-A43</b>
<b>CODE</b>	<b>22D002</b>	<b>22D003</b>	<b>22D005</b>	<b>22D004</b>	<b>22D006</b>
Maximum leaf length (m)	4	4	4	6	6
Maximum leaf weight (Kg)	700	700	700	700	700
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Full load current (A)	1	1	1	1	1
Motor power (W)	230	230	230	230	230
Capacitor (µF)	10	10	10	10	10
Maximum travel (mm)	265	265	265	400	400
Operating speed (m/s)	0.01	0.01	0.01	0.01	0.01
Maximum thrust (N)	7000	7000	7000	7000	7000
Working temperature (°C)	-30 ÷ +90	-30 ÷ +90	-30 ÷ +90	-30 ÷ +90	-30 ÷ +90
Protection degree (IP)	65	65	65	65	65
Duty cycle (%)	100	100	100	100	100
Motor weight (Kg)	9.5	9.5	9.5	11	11

**CONTROL UNITS TO BE USED**



<b>CITY1</b>	<b>FLEXY2</b>	<b>CITY11</b>
Digital control unit for 230V motors	Analogue control unit for 230V motors	Analogue control unit for 230V motors. Output for 12V electrolock

MOTORS FOR SWING GATES

**ACCESSORIES**



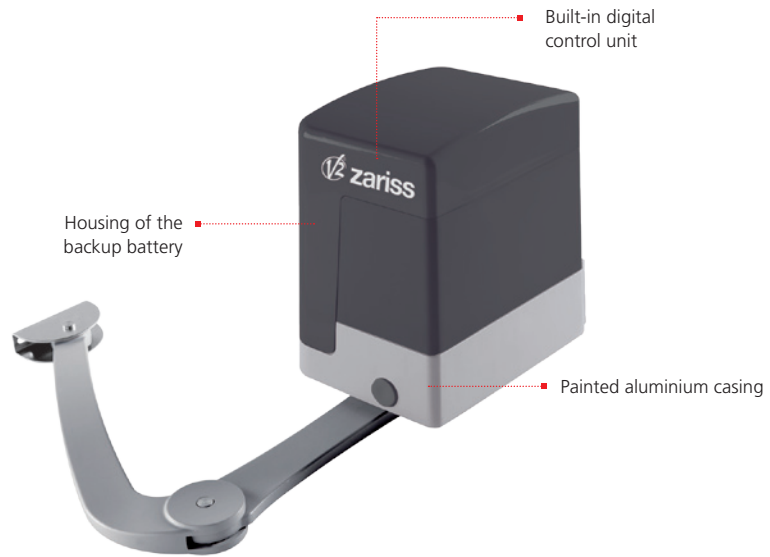
**ACC009**  
Warning sign



# zariss

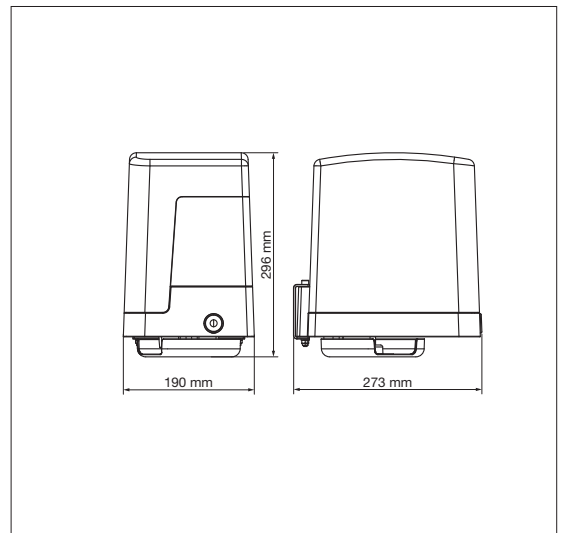
## 24V irreversible electromechanical pivoting arm actuator

for swing gates with leaves up to 2.2 m in length



## zariss PLUS

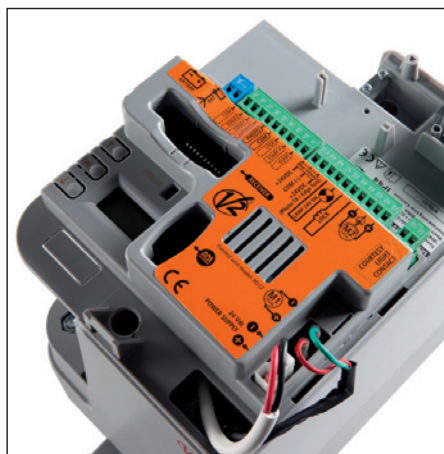
- Easy installation on pillars of medium / big dimensions
- Strong articulated anti-shearing arm in pressure die-cast aluminium
- Obstacle detection
- Programmable acceleration and deceleration
- Self-learning of opening and closing times
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system




### TECHNICAL FEATURES

Description	230V Pair of 24V motors (MASTER+SLAVE)	230V MASTER motor with control unit	24V SLAVE motor
<b>MODEL</b>	<b>ZARISS</b>	<b>ZARISS-M</b>	<b>ZARISS-S</b>
<b>CODE</b>	<b>22E005</b>	<b>22E006</b>	<b>22E007</b>
Maximum leaf length (m)	2.2	2.2	2.2
Maximum leaf weight (Kg)	250	250	250
Power supply (Vac - Hz)	230 - 50	230 - 50	24 Vdc
Maximum power (2 motors) (W)	180	-	-
Full load current (A)	-	0.4	3.5
Speed (Rpm)	1.1 ÷ 1.65	1.1 ÷ 1.65	1.1 ÷ 1.65
Torque (Nm)	180	180	180
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Working cycle (cycles/hour)	80	80	80
Motor weight (kg)	18	10	8
Protection degree (IP)	44	44	44
Maximum load on 24 Vac accessories (W)	7	7	7

## CONTROL UNIT



- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 2 inputs for photocells with self-test function
- 2 inputs for mechanical or resistive safety edges
- Output for flashing light 24V with or without intermittence
- Courtesy light output
- Energy Saving function to minimise consumption in stand-by mode
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slowing down in the limit switch area
- Soft start (programmable start-up rate)
- Monitoring of input status using the display
- ADI connector for connecting optional CL1+ module

 Electrical connections of the control unit on page 124

## ACCESSORIES



11B047 • MR2	161213 • CL1+	161212 • B-PACK	ACC009
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	Backup battery with built-in charger	Warning sign



# zariss kit

Installation kit for swing gates  
with leaves up to 2.2 m long

## COMPOSITION



**1** 24V irreversible electromechanical pivoting arm actuator



**2** PHOX2  
433.92MHz rolling code transmitter



**3** MR2  
Plug-in module receiver



**4** SENSIVA-XS  
Miniaturized wall-mounted and pillar-mounted photocells

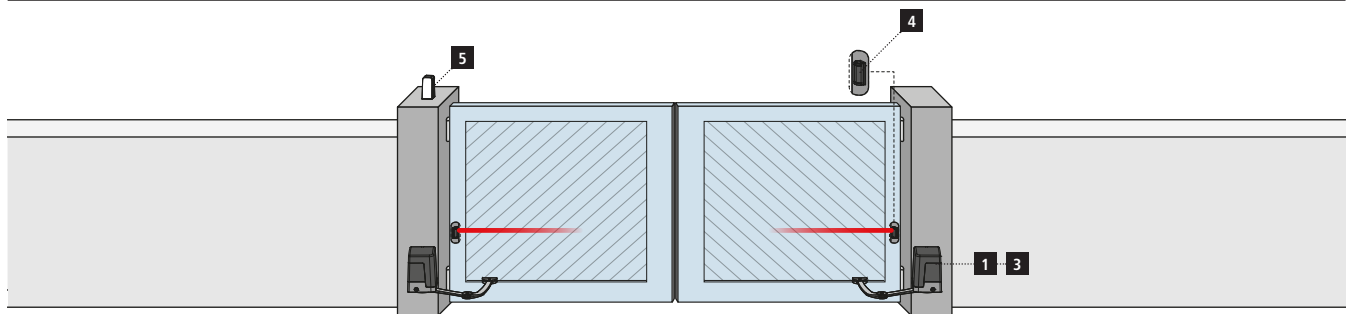


**5** LUMOS-M  
Led flashing light



**6** ACC009  
Warning sign

## ASSEMBLY DIAGRAM







To complete the installation with other additional accessories refer to the example system at the beginning of the section





**TECHNICAL FEATURES**

Description	<b>230V</b> Pair of 24V motors (MASTER+SLAVE)
<b>MODEL</b>	
<b>CODE</b>	<b>22E005</b>
Maximum leaf length (m)	2.2
Maximum leaf weight (Kg)	250
Power supply (Vac - Hz)	230 - 50
Maximum power (2 motors) (W)	180
Full load current (A)	-
Speed (Rpm)	1.1 ÷ 1.65
Torque (Nm)	180
Working temperature (°C)	-20 ÷ +55
Working cycle (cycles/hour)	80
Motor weight (kg)	18
Protection degree (IP)	44
Maximum load on 24 Vac accessories (W)	7

	<b>Kit MODEL</b> ▼	 <b>PHOX2</b>	 <b>MR2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	 <b>ACC009</b>	<b>Kit CODE</b> ▼
24V	<b>Kit Light</b> ZARISS-24V	■ ■	■				29E026
	<b>Kit Full</b> ZARISS-24V	■ ■	■	■	■	■	29E027



# ciclón

## 230V irreversible electromechanical pivoting arm

for swing gates with leaves up to 2.5 m in length

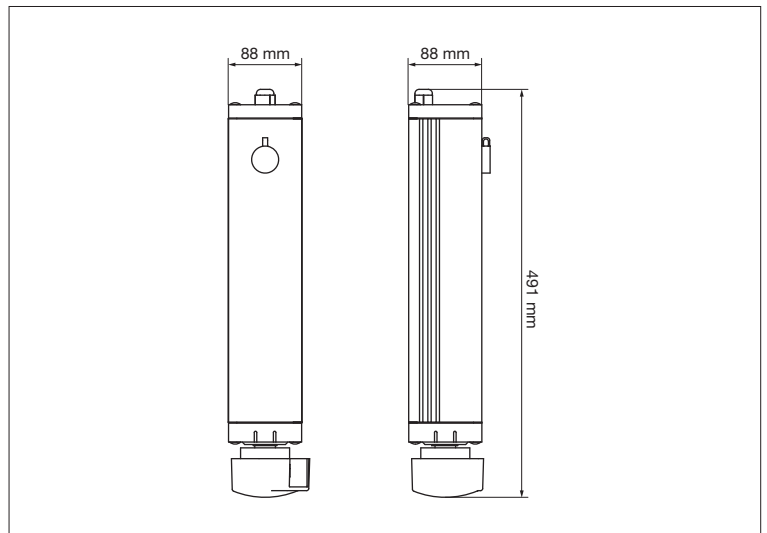
Practical release system with customized key

Exterior finish in anodized aluminium



## ciclón PLUS

- Easy installation on small pillars
- Single version for both right and left leaves
- Built-in electro-brake
- Articulated anti-shearing arm in varnished steel
- Optional straight arm with sliding rail



### TECHNICAL FEATURES

Description	230V for leaves up to 2.5 m - 400 Kg
<b>MODEL</b>	<b>CICLÓN</b>
<b>CODE</b>	<b>22E009</b>
Maximum leaf length (m)	2.5
Maximum leaf weight (Kg)	400
Power supply (Vac - Hz)	230 - 50
Nominal absorption (A)	1
Nominal power (W)	230
Capacitor (µF)	5
Speed (Rpm)	1.3
Torque (Nm)	220
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Duty cycle (%)	20
Motor weight (Kg)	13

**CONTROL UNITS TO BE USED**



**CITY1-ECD + LUX2+**

Digital control unit for 230V motors

**LUX2+**

ADI module for use with the CITY1-ECD unit to control the electro-brake

**ACCESSORIES**



**162236**

Straight arm with sliding rail

**ACC009**

Warning sign



# blitz

## Irreversible electromechanical pivoting arm

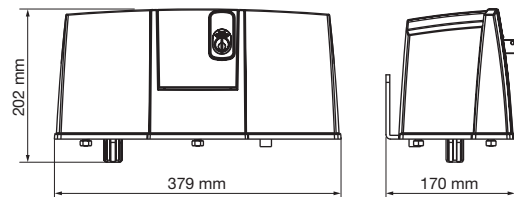
for swing gates with leaves up to 3 m in length

Available in two versions: 24V and 230V



## blitz PLUS

- Single version for both right and left leaves
- 24V version for intensive use
- Internal release lever
- Integrated double electric limit switch
- Internal start capacitor
- Possibility of external release



## TECHNICAL FEATURES

Description	230V for leaves up to 3 m - 800 Kg	24V for leaves up to 3 m - 800 Kg
<b>MODEL</b>	<b>BLITZ-230V</b>	<b>BLITZ-24V</b>
<b>CODE</b>	<b>22E001</b>	<b>22E002</b>
Maximum leaf length (m)	3	3
Maximum leaf weight (Kg)	800	800
Power supply (Vac - Hz)	230 - 50	24 Vdc
Full load current (A)	2.5	7.5
Nominal power (W)	400	100
Capacitor (µF)	8	-
Speed (Rpm)	1.6	1.4 - 0.5
Torque (Nm)	340	320
Working temperature (°C)	-30 ÷ +60	-30 ÷ +60
Protection degree (IP)	44	44
Duty cycle (%)	20	80
Motor weight (Kg)	14.6	14.6

**CONTROL UNITS TO BE USED**

M  
230V



M  
230V



M  
230V



**CITY1**

Digital control unit for 230V motors

**FLEXY2**

Analogue control unit for 230V motors

**CITY11**

Analogue control unit for 230V motors.  
Output for 12V electrolock

M  
24V



**CITY2+L**

Digital control unit for 24V motors

**ACCESSORIES**



**162219**

External release kit with 4 m metallic wire



**ACC009**

Warning sign

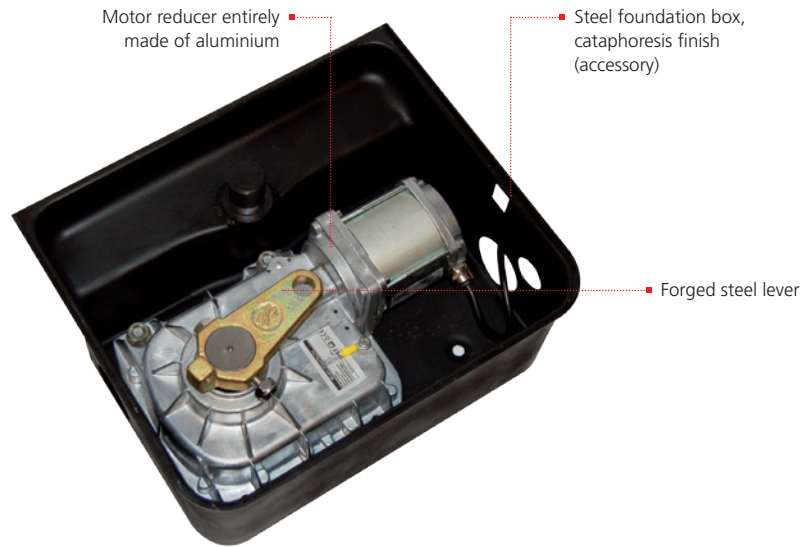


# vulcan

## Irreversible electromechanical motor reducer for underground installation

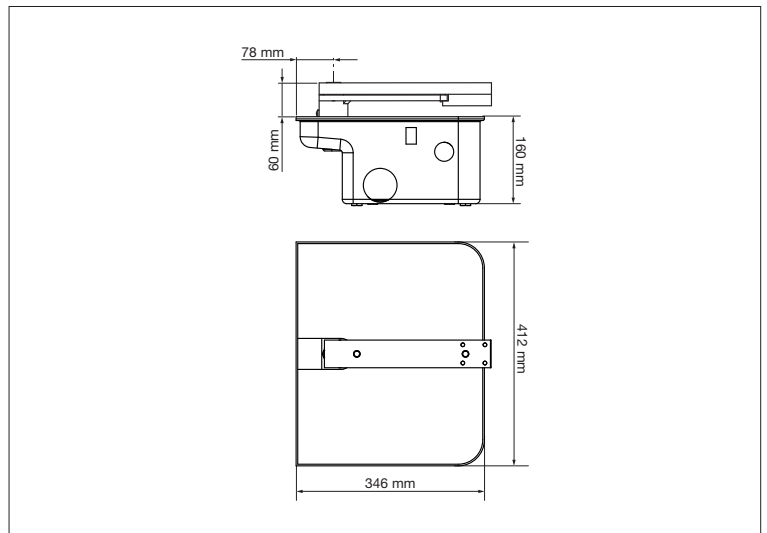
for swing gates with leaves up to 3.5 m in length

Available in two versions: 24V and 230V



## vulcan PLUS

- Sealed motor reducer
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever (162218)
- 24V version with built-in encoder
- The special mounting holes allow Vulcan motors to be installed inside numerous existing models of foundation boxes
- Adjustable opening and closing mechanical stop



### TECHNICAL FEATURES

Description	230V for leaves up to 3.5 m - 800 Kg	24V for leaves up to 3.5 m - 600 Kg
<b>MODEL</b>	<b>VULCAN-230V</b>	<b>VULCAN-24V</b>
<b>CODE</b>	<b>22F003</b>	<b>22F005</b>
Maximum leaf length (m)	3.5	3.5
Maximum leaf weight (Kg)	800	600
Power supply (Vac - Hz)	230 - 50	24 Vdc
Full load current (A)	2.4	15
Nominal power (W)	350	230
Capacitor (µF)	14	-
Opening time 90° (s)	17	15 - 25
Maximum torque (Nm)	320	320
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	67	67
Duty cycle (%)	30	80
Motor weight (Kg)	11	11.5

**CONTROL UNITS TO BE USED**

M  
230V



M  
230V



M  
230V



**CITY1**

Digital control unit for 230V motors

**FLEXY2**

Analogue control unit for 230V motors

**CITY11**

Analogue control unit for 230V motors.  
Output for 12V electrolock

M  
24V



**CITY2+**

Digital control unit for 24V motors

**ACCESSORIES**



**162234**

Cataphoresis-finished steel foundation box with 110° opening and release levers

**162232**

Stainless steel foundation box with 110° opening and release levers

**162218**

Lever unit for opening >110° + release lever (only for 162234)

**162215**

Encoder

**ACC009**

Warning sign



# vulcan kit

Installation kit for swing gates  
with leaves up to 3.5 m long

Available with 24V and 230V motors

## COMPOSITION



**1**  
**Irreversible electromechanical motor reducer + foundation box**



**2 CITY1**  
**Digital control unit for 230V motors**



**2 CITY2+**  
**Digital control unit for 24V motors**



**3 PHOX2**  
433.92MHz rolling code transmitter



**4 MR2**  
Plug-in module receiver



**5 SENSIVA-XS**  
Miniaturized wall-mounted and pillar-mounted photocells

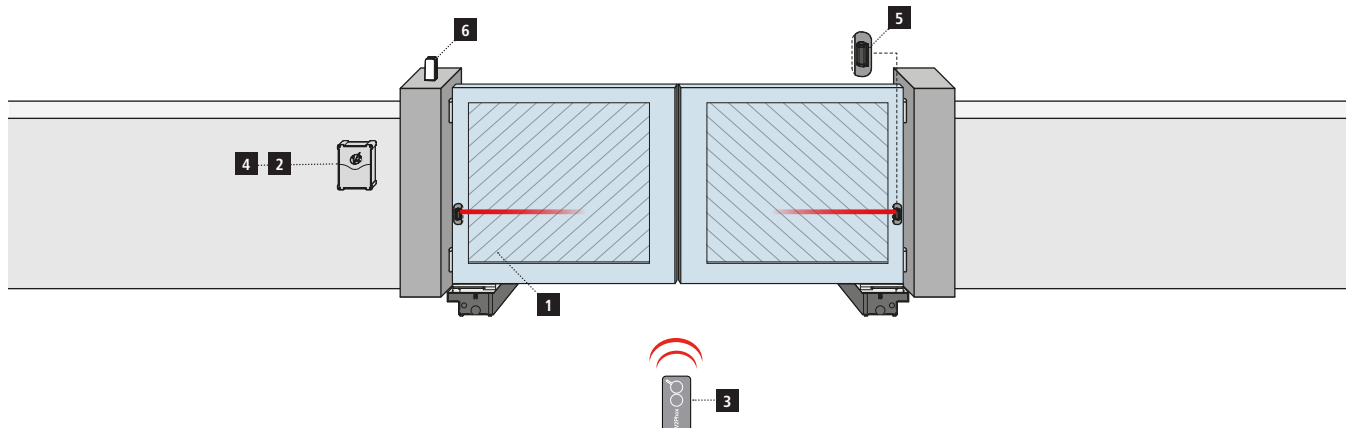


**6 LUMOS-M**  
Led flashing light



**7 ACC009**  
Warning sign

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section












**TECHNICAL FEATURES**

Description	230V for leaves up to 3.5 m - 800 Kg	24V for leaves up to 3.5 m - 600 Kg
<b>MODEL</b>	<b>VULCAN-230V</b>	<b>VULCAN-24V</b>
<b>CODE</b>	<b>22F003</b>	<b>22F005</b>
Maximum leaf length (m)	3.5	3.5
Maximum leaf weight (Kg)	800	600
Power supply (Vac - Hz)	230 - 50	24 Vdc
Full load current (A)	2.4	15
Nominal power (W)	350	230
Capacitor (µF)	14	-
Opening time 90° (s)	17	15 - 25
Maximum torque (Nm)	320	320
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	67	67
Duty cycle (%)	30	80
Motor weight (Kg)	11	11.5

MOTORS FOR SWING GATES

**vulcan kit**

Selection guide

	<b>Kit MODEL</b> ▼	 <b>CONTROL UNIT</b>	 <b>PHOX2</b>	 <b>MR2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	 <b>ACC009</b>	<b>Kit CODE</b> ▼
230V	<b>Kit Light</b> VULCAN-230V	<b>CITY1</b>	■ ■	■				29G009
	<b>Kit Full</b> VULCAN-230V	<b>CITY1</b>	■ ■	■	■	■	■	29G010
24V	<b>Kit Light</b> VULCAN-24V	<b>CITY2+</b>	■ ■	■				29G011
	<b>Kit Full</b> VULCAN-24V	<b>CITY2+</b>	■ ■	■	■	■	■	29G012

# Value to facility

Simplicity is made  
of small things.

The safety and convenience of being able to directly access your garage without getting down of the car, the convenience of automatically operating a gate, without making any effort, are values that a V2 automation system adds to every day gestures.  
And you can no longer do without.

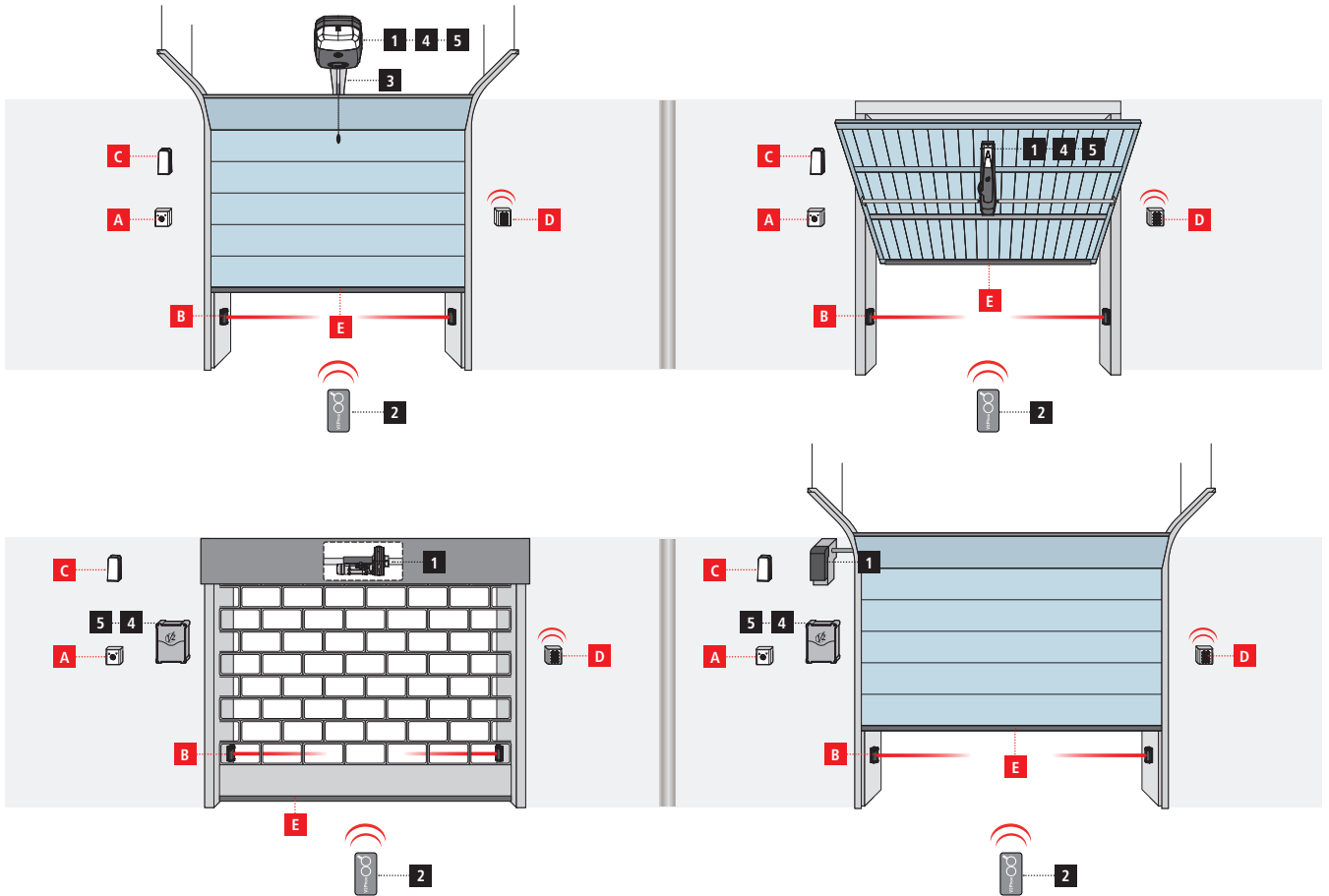
**MOTORS FOR GARAGE DOORS  
AND ROLLING SHUTTERS**



# EXAMPLE SYSTEM MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS



76|91



## COMPONENTS

- 1** Motor
- 2** Transmitter
- 3** Chain guide
- 4** Control unit
- 5** Receiving module

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Photocells
- C** Flashing light
- D** Digital radio switch
- E** Safety edges

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Power supply (400V)	4G x 1.5 mm <sup>2</sup>	4G x 1.5 mm <sup>2</sup>	4G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Safety edges	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>
Antenna (integrated into the flashing light)	RG174	RG174	RG174

# INDEX OF PRODUCTS

## MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS



### Motors for RESIDENTIAL USE

76|77 **azimut**



78|79 **azimut kit**

---

80|81 **jedi**



82|83 **jedi kit**

---

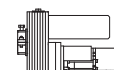
84|85 **vega**



86|87 **vega kit**

---

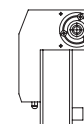
88|89 **argo**



---

### Motors for INDUSTRIAL USE

90|91 **wisant**



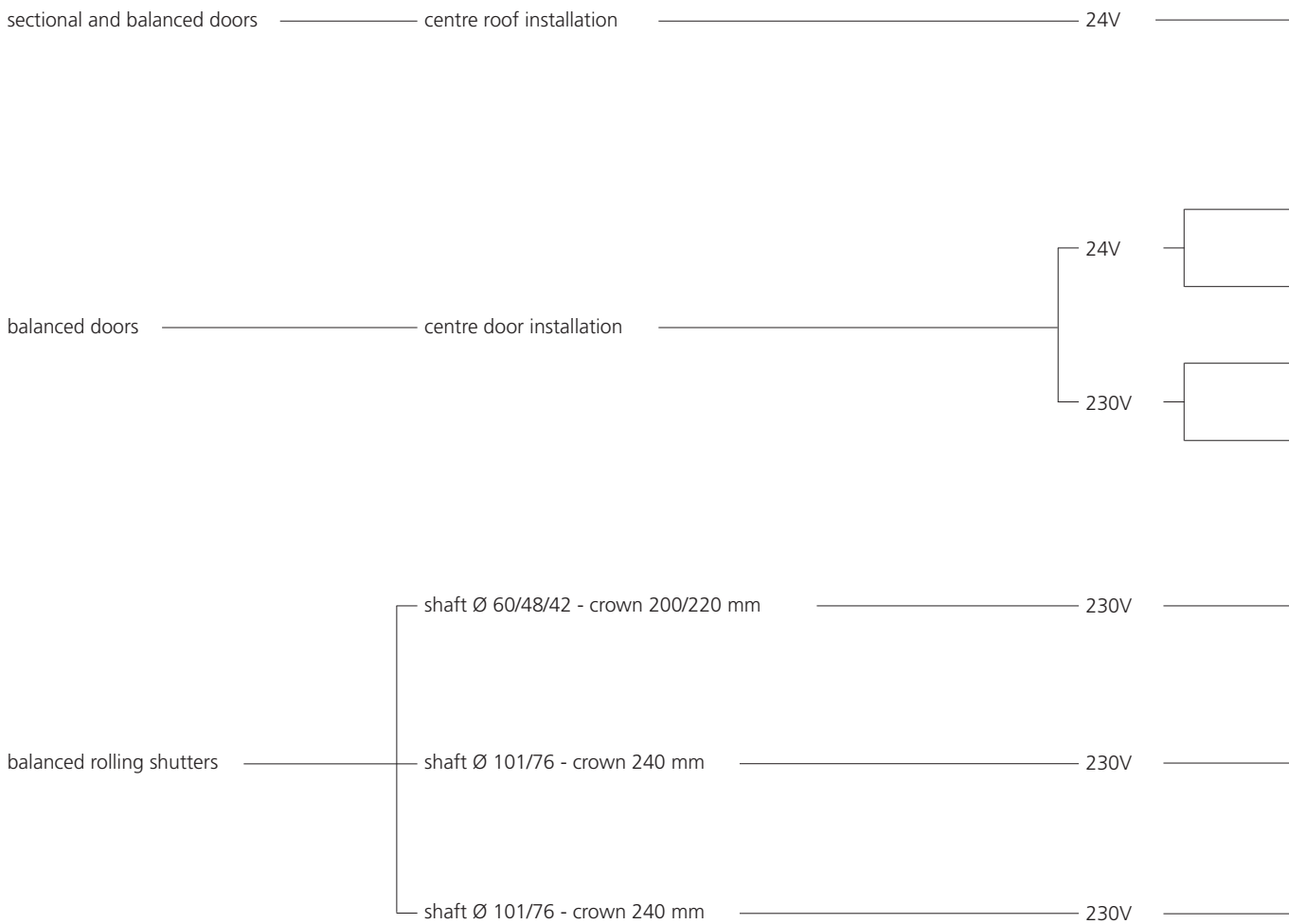
# SELECTION GUIDE

## MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS



76|91

RESIDENTIAL USE



INDUSTRIAL USE



doors up to <b>8 m<sup>2</sup></b>	→	<b>azimut</b>	76 77
doors up to <b>10 m<sup>2</sup></b>	→	<b>jedi -700</b>	80 81
doors up to <b>15 m<sup>2</sup></b>	→	<b>jedi -1000</b>	80 81
doors up to <b>9 m<sup>2</sup></b>	→	<b>vega -24V</b>	84 85
doors up to <b>14 m<sup>2</sup></b> (2-motor installation)	→	<b>vega -24V</b>	84 85
doors up to <b>9 m<sup>2</sup></b>	→	<b>vega -C 230V</b>	84 85
doors up to <b>14 m<sup>2</sup></b> (2-motor installation combined with VEGA-C 230V)	→	<b>vega -230V</b>	84 85
rolling shutters up to <b>160 Kg</b>	without electro-brake →	<b>argo 160</b>	88 89
	with electro-brake →	<b>argo 160-FR</b>	88 89
rolling shutters up to <b>170 Kg</b>	without electro-brake →	<b>argo 170</b>	88 89
	with electro-brake →	<b>argo 170-FR</b>	88 89
rolling shutters up to <b>300 Kg</b>	without electro-brake →	<b>argo 300</b>	88 89
	with electro-brake →	<b>argo 300-FR</b>	88 89
doors up to <b>16 m<sup>2</sup></b>	→	<b>wisant 16-230V</b>	90 91
doors up to <b>16 m<sup>2</sup></b>	→	<b>wisant 16-400V</b>	90 91
doors up to <b>35 m<sup>2</sup></b>	→	<b>wisant 35-400V</b>	90 91



# azimut

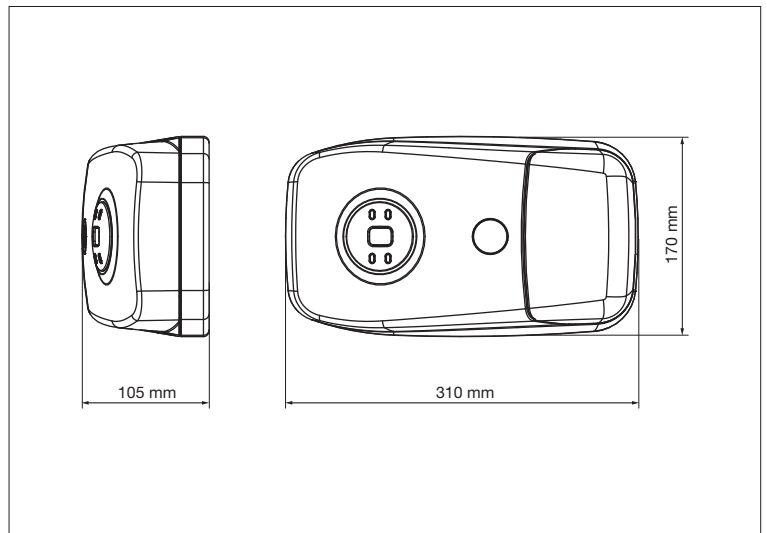
## 24V electromechanical irreversible actuator

for sectional and balanced doors  
**up to 8 m<sup>2</sup>**  
 Maximum force **500 N (50 Kg)**



## azimut PLUS

- Accurate and safe operation with encoder
- Sound signalling during automatic closing
- External control keypad and led display for easy changing of the control unit functions
- Silent operation: chain conveying system on galvanized steel rail

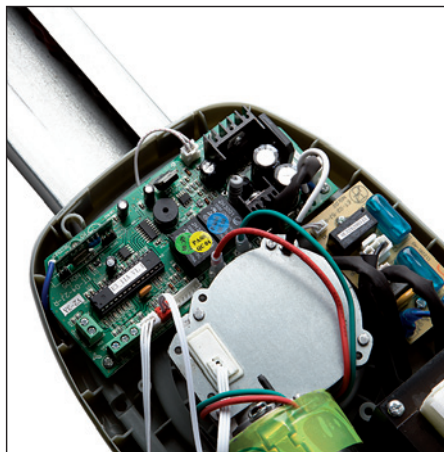


### TECHNICAL FEATURES

Description	<b>24V</b> maximum force <b>500N</b>
<b>MODEL</b>	<b>AZIMUT</b>
<b>CODE</b>	<b>25B005</b>
Power supply (Vac - Hz)	230 - 50
Absorbed power (W)	100
Door area (m <sup>2</sup> )	≤ 8
Start force (N)	500
Nominal force (N)	350
Average speed (cm/s)	11
Lamp (W)	25
Working temperature (°C)	-20 ÷ +40
Duty cycle (%)	30
Protection degree (IP)	20
Motor weight (Kg)	10



## CONTROL UNIT



- Programming via 4 buttons and display
- Input for photocells
- Input for an external start button
- 433.92 MHz built-in receiver allowing the use of Personal Pass series transmitters
- Possibility to store up to 15 transmitters
- Self-learning of times, slow-downs and forces both in opening and closing phase
- Amperometric sensor obstacle detection function with programmable threshold

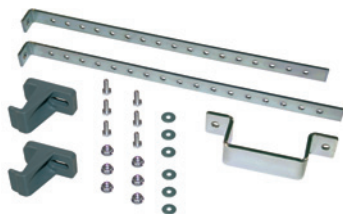
 Electrical connections of the control unit on page 125

## PRE-ASSEMBLED CHAIN GUIDE



CODE	LENGTH	MAXIMUM DOOR HEIGHT	
		Sectional or spring balanced door	Counterweight balanced door
<b>163202</b>	3 m (2 x 1,5 m)	2240 mm	2450 mm
<b>163204</b>	3,3 m (2 x 1,65 m)	2540 mm	2800 mm
<b>163205</b>	3,6 m (2 x 1,8 m)	2840 mm	3100 mm
<b>163201</b>	3 m (1 x 3 m)	2240 mm	2450 mm

## ACCESSORIES



**162504**

Adaptor bracket for counterweight balanced doors

**163203**

Additional fixing support

**162518**

External release kit with key



# azimut kit

Installation kit for sectional and balanced doors **up to 8 m<sup>2</sup>**

## COMPOSITION



**1**  
**Electromechanical irreversible actuator**

## **2** PRE-ASSEMBLED CHAIN GUIDE

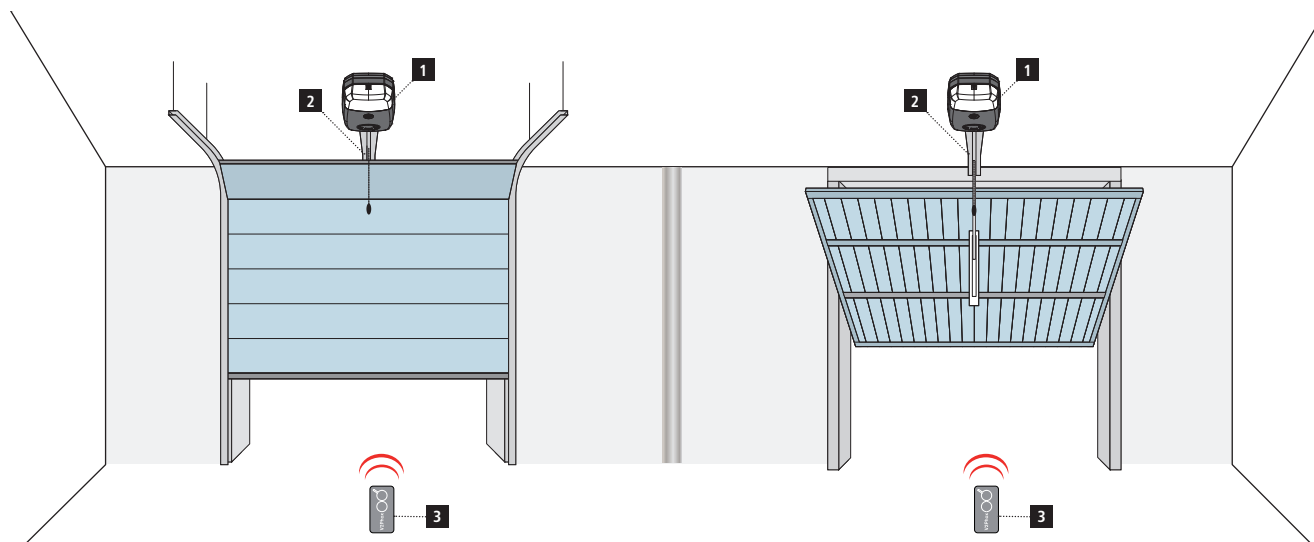


CODE	LENGTH	MAXIMUM DOOR HEIGHT	
		Sectional or spring balanced door	Counterweight balanced door
<b>163204</b>	3,3 m (2 x 1,65 m)	2540 mm	2800 mm
<b>163201</b>	3 m (1 x 3 m)	2240 mm	2450 mm



**3** **PHOX2**  
433.92MHz rolling code transmitter

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section







**TECHNICAL FEATURES**

Description	24V maximum force 500N
<b>MODEL</b>	<b>AZIMUT</b>
<b>CODE</b>	<b>25B005</b>
Power supply (Vac - Hz)	230 - 50
Absorbed power (W)	100
Door area (m <sup>2</sup> )	≤ 8
Start force (N)	500
Nominal force (N)	350
Average speed (cm/s)	11
Lamp (W)	25
Working temperature (°C)	-20 ÷ +40
Duty cycle (%)	30
Protection degree (IP)	20
Motor weight (Kg)	10

azimut **kit**

Selection guide

	Kit MODEL ▼	 163204 (2 x 1.65 m)	 163201 (1 x 3 m)	 PHOX2	Kit CODE ▼
24V	Kit AZIMUT 1		■	■ ■	32B011
	Kit AZIMUT 2	■		■ ■	32B012

MOTORS FOR GARAGE DOORS  
AND ROLLING SHUTTERS



# jedi

## 24V electromechanical irreversible actuator

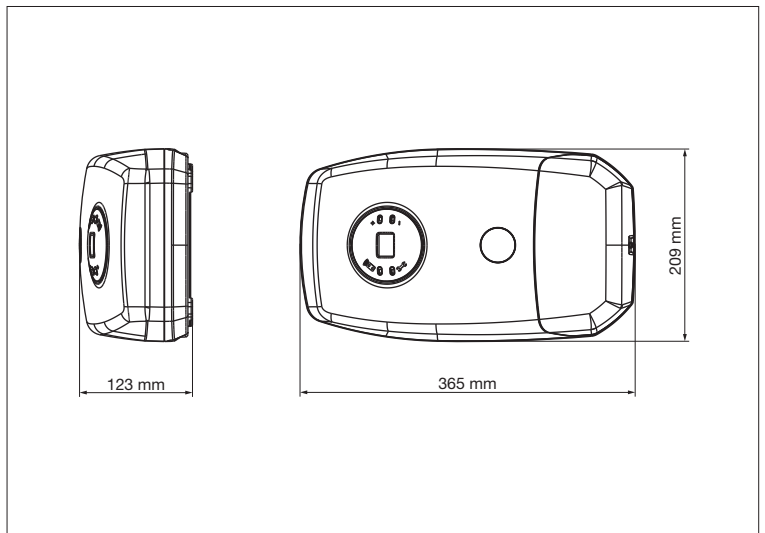
for sectional and balanced doors  
**up to 15 m<sup>2</sup>**  
 Maximum force **1000 N (100 Kg)**

Available in two versions:  
**700 N and 1000 N**



## jedi PLUS

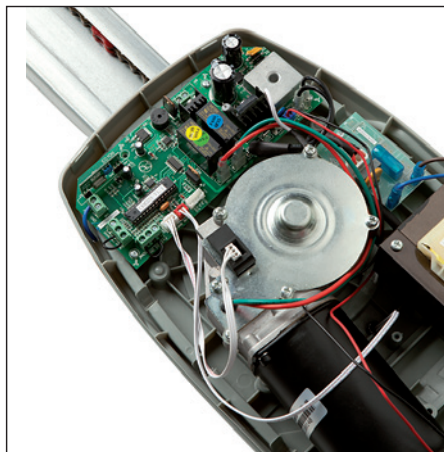
- Accurate and safe operation with encoder
- Sound signalling during automatic closing
- External control keypad and led display for easy changing of the control unit functions
- Silent operation: chain conveying system on galvanized steel rail




## TECHNICAL FEATURES

Description	24V maximum force <b>700 N</b>	24V maximum force <b>1000 N</b>
<b>MODEL</b>	<b>JEDI-700</b>	<b>JEDI-1000</b>
<b>CODE</b>	<b>25C011</b>	<b>25C012</b>
Power supply (Vac - Hz)	230 - 50	230 - 50
Absorbed power (W)	100	160
Door area (m <sup>2</sup> )	≤ 10	≤ 15
Start force (N)	700	1000
Nominal force (N)	550	850
Average speed (cm/s)	11	11
Working temperature (°C)	-20 ÷ +40	-20 ÷ +40
Duty cycle (%)	30	30
Protection degree (IP)	20	20
Motor weight (Kg)	12	12

## CONTROL UNIT



- Programming via 4 buttons and display
- Input for photocells
- Input for an external start button
- Input for an external stop button
- Output for flashing light 24V with intermittence
- 433.92 MHz built-in receiver allowing the use of Personal Pass series transmitters
- Possibility to store up to 15 transmitters
- Self-learning of times, slow-downs and forces both in opening and closing phase
- Amperometric sensor obstacle detection function with programmable threshold

 Electrical connections of the control unit on page 125

## PRE-ASSEMBLED CHAIN GUIDE



CODE	LENGTH	MAXIMUM DOOR HEIGHT	
		Sectional or spring balanced door	Counterweight balanced door
<b>162519</b>	3 m (1 x 3 m)	2200 mm	2500 mm
<b>162520</b>	3,3 m (1 x 3,3 m)	2500 mm	2800 mm
<b>162528</b>	3,3 m (2 x 1,65 m)	2500 mm	2800 mm
<b>162522</b>	3,8 m (1 x 3,8 m)	3000 mm	3300 mm

## ACCESSORIES



<b>162504</b> Adaptor bracket for counterweight balanced doors	<b>162518</b> External release kit with key
---	--



# jedi kit

Installation kit for sectional and balanced doors **up to 15 m<sup>2</sup>**

## COMPOSITION



**1**  
**Electromechanical irreversible actuator**

## **2** PRE-ASSEMBLED CHAIN GUIDE

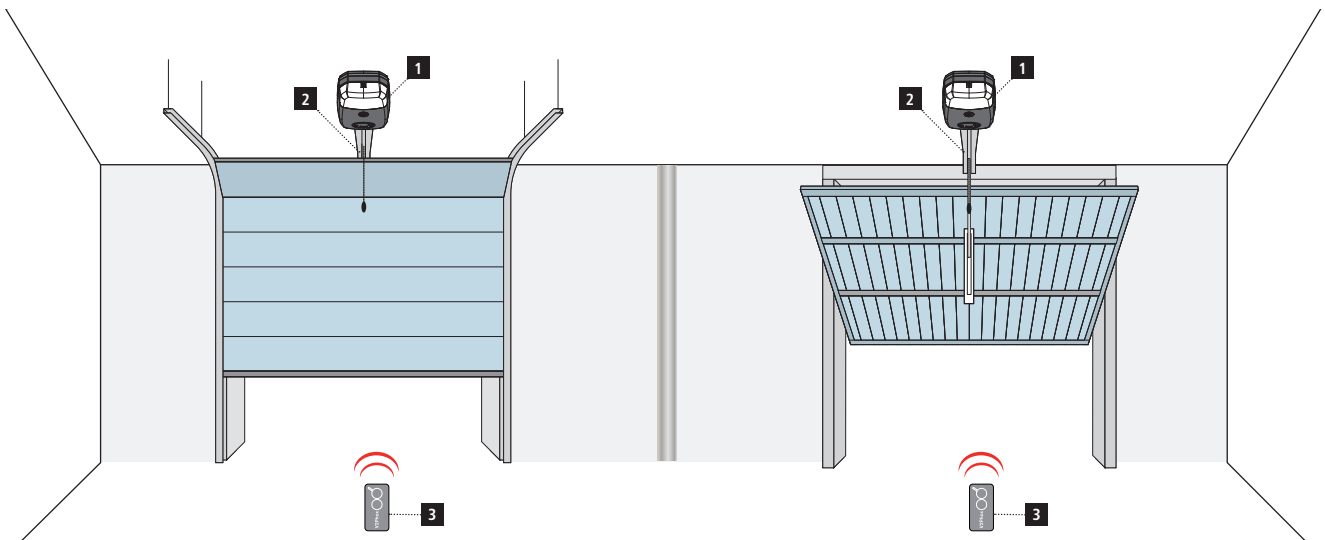


CODE	LENGTH	MAXIMUM DOOR HEIGHT	
		Sectional or spring balanced door	Counterweight balanced door
<b>162520</b>	3,3 m (1 x 3,3 m)	2500 mm	2800 mm
<b>162528</b>	3,3 m (2 x 1,65 m)	2500 mm	2800 mm



**3** **PHOX2**  
433.92MHz rolling code transmitter

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section







TECHNICAL FEATURES

Description	24V maximum force 700 N	24V maximum force 1000 N
<b>MODEL</b>	<b>JEDI-700</b>	<b>JEDI-1000</b>
<b>CODE</b>	<b>25C011</b>	<b>25C012</b>
Power supply (Vac - Hz)	230 - 50	230 - 50
Absorbed power (W)	100	160
Door area (m <sup>2</sup> )	≤ 10	≤ 15
Start force (N)	700	1000
Nominal force (N)	550	850
Average speed (cm/s)	11	11
Working temperature (°C)	-20 ÷ +40	-20 ÷ +40
Duty cycle (%)	30	30
Protection degree (IP)	20	20
Motor weight (Kg)	12	12

jedi kit

Selection guide

	Kit MODEL ▼	 162520 3.3 m (1 x 3.3 m)	 162528 3.3 (2 x 1.65 m)	 PHOX2	Kit CODE ▼
700 N	Kit JEDI-700 1	■		■ ■	32B013
	Kit JEDI-700 2		■	■ ■	32B014
1000 N	Kit JEDI-1000 1	■		■ ■	32B015
	Kit JEDI-1000 2		■	■ ■	32B016

MOTORS FOR GARAGE DOORS  
AND ROLLING SHUTTERS



# vega

## Electromechanical irreversible actuator

for balanced doors **up to 9 m<sup>2</sup>**

Available in two versions:  
**24V and 230V**

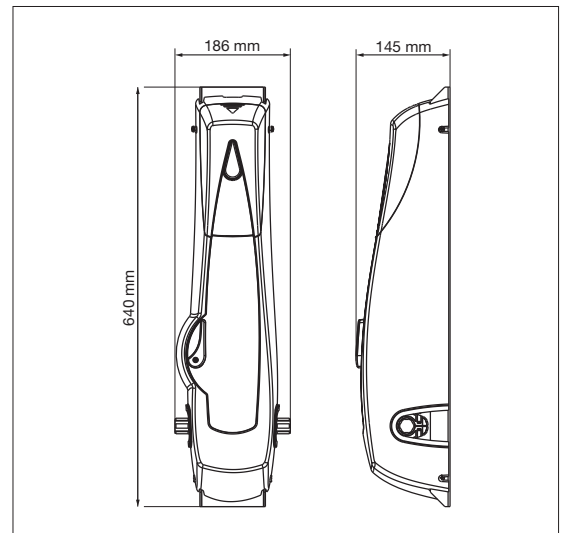


## vega PLUS

- Compact form and strong mechanics to guarantee optimal performance with all types of balanced doors
- Obstacle detection
- Self-learning of opening and closing times
- Built-in courtesy light (LED for 24V version)
- Adjustable cams to be set as a limit switch or slowing down start

### 24V version

- Programmable acceleration and deceleration
- Synchronized operation of two motors using the specially provided cable



## TECHNICAL FEATURES

Description	230V digital control unit	230V without control unit	24V digital control unit
<b>MODEL</b>	<b>VEGA-C 230V</b>	<b>VEGA-230V</b>	<b>VEGA-24V</b>
<b>CODE</b>	<b>24A005</b>	<b>24A002</b>	<b>24A009</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	85-245 V / 50-60 Hz
Door area (m <sup>2</sup> )	9	14*	9 - 14**
Full load current (A)	2.5	2.5	1.25
Maximum power (W)	575	575	150
Nominal speed of the motor (Rpm)	1.6	1.6	1.6
Capacitor (µF)	8	8	-
Working temperature (°C)	-20 ÷ +50	-20 ÷ +50	-20 ÷ +50
Duty cycle (%)	30	30	30
Protection degree (IP)	20	20	20
Motor weight (Kg)	9	9	9
Maximum accessory load 24V (W)	3	-	15

\* Installation with 2 motors in combination with VEGA-C 230V  
 \*\* Installation with 2 motors connected by the accessory cable 162416



CONTROL UNIT



- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- 1 photocell input with self-test function
- 1 input for mechanical or resistive sensitive safety edges
- Output for 24V flashing light or warning light
- Courtesy light output
- Self-learning opening time and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slowing down in the limit switch area
- Soft start during the opening phase (programmable time)
- ADI connector for connecting optional module CL1+

Electrical connections of the control unit on page 125

ACCESSORIES

<b>162401</b>	<b>162407</b>	<b>162408</b>	<b>162409</b>	<b>162415</b>	<b>162410</b>
Straight telescopic arm with iron rod	Curved telescopic arm	Straight telescopic arm with sleeve	Pair of curved telescopic arms with sleeve	Pair of curved telescopic arms with iron rod	Pair of transmission shafts with sleeves, 1.5 m in length
<b>162411</b>	<b>162404</b>	<b>162405</b>	<b>162406</b>	<b>162414</b>	<b>162402</b>
Pair of transmission shafts with sleeves, 2 m in length	Pair of sleeves	Kit for anchoring to the structure	Pair of tube guide brackets with bushes	1.2 m long anchoring backstay	1.8 m long anchoring backstay
<b>162403</b>	<b>162416</b>	<b>11B047</b> • MR2	<b>161213</b> • CL1+		
External release kit with metal wire	Cable for 2-motor installation (VEGA-24V)	433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit		

MOTORS FOR GARAGE DOORS AND ROLLING SHUTTERS



# vega kit

Installation kit for balanced garage doors  
up to 9 m<sup>2</sup>

## COMPOSITION



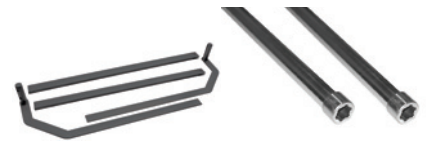
**1**  
**230V electromechanical irreversible actuator**



**2** **PHOX2**  
433.92MHz rolling code transmitter



**3** **MR2**  
Plug-in module receiver



**4** **162415**  
Pair of curved telescopic arms with iron rod

**5** **162411**  
Pair of transmission shafts with sleeves, 2 m in length



**6** **162402**  
1.8 m long anchoring backstay



**7** **162405**  
Kit for anchoring to the structure



**8** **162406**  
Pair of tube guide brackets with bushes

## ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section



**TECHNICAL FEATURES**

Description	230V digital control unit
<b>MODEL</b>	<b>VEGA-C 230V</b>
<b>CODE</b>	<b>24A005</b>
Power supply (Vac - Hz)	230 - 50
Door area (m <sup>2</sup> )	9
Full load current (A)	2.5
Maximum power (W)	575
Nominal speed of the motor (Rpm)	1.6
Capacitor (µF)	8
Working temperature (°C)	-20 ÷ +50
Duty cycle (%)	30
Protection degree (IP)	20
Motor weight (Kg)	9
Maximum accessory load 24V (W)	3

Kit MODEL									Kit CODE
<b>Kit VEGA 1</b>	■	■ ■	■						32C007
<b>Kit ACCESSORI V1</b>				■	■	■	■	■	32C002

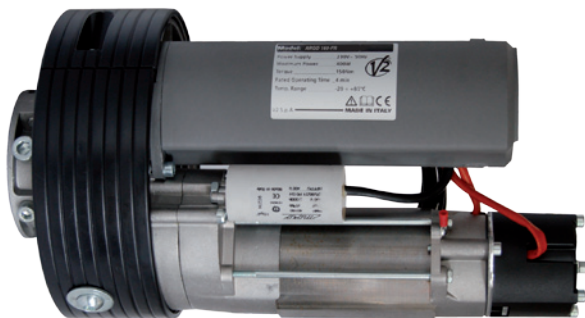


# argo

## 230V irreversible electromechanical actuator

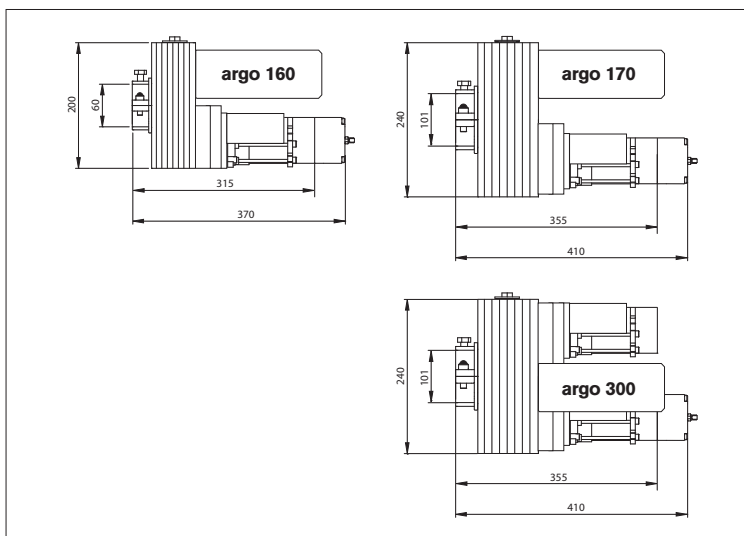
for shutters weighing  
160 to 300 Kg

Available in two versions  
with or without electro-brake



### argo PLUS

- Limit switch unit and cabling protected by means of a specific plastic container
- Pre-wired condenser
- Simple, intuitive limit switch adjustment
- Special models with built-in electro-brake



### TECHNICAL FEATURES

Description	160 Kg	160 Kg electro-brake	170 Kg	170 Kg electro-brake	300 Kg - 2 motors	300 Kg - 2 motors electro-brake
<b>MODEL</b>	<b>ARGO 160</b>	<b>ARGO 160 FR</b>	<b>ARGO 170</b>	<b>ARGO 170 FR</b>	<b>ARGO 300</b>	<b>ARGO 300 FR</b>
<b>CODE</b>	<b>26A012</b>	<b>26A013</b>	<b>26B012</b>	<b>26B013</b>	<b>26B014</b>	<b>26B015</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50	230 - 50
Absorbed current (A)	2,2	2,2	2,5	2,5	2 x 2,5	2 x 2,5
Maximum power (W)	600	600	700	700	2 x 700	2 x 700
Lifting power (Kg)	160	160	170	170	300	300
Torque (Nm)	170	170	200	200	330	330
Motor crown speed (rpm)	9	9	9	9	9	9
Rolling shutter shaft Ø (B) (mm)	60/48	60/48	101/76	101/76	101/76	101/76
Motor crown Ø (A) (mm)	200/220	200/220	240	240	240	240
Motor weight (Kg)	7	8	9	10	13	14
Working temperature (°C)	-20 ÷ +80	-20 ÷ +80	-20 ÷ +80	-20 ÷ +80	-20 ÷ +80	-20 ÷ +80
Shutter maximum height (m)	7	7	7	7	7	7

**CONTROL UNITS TO BE USED**

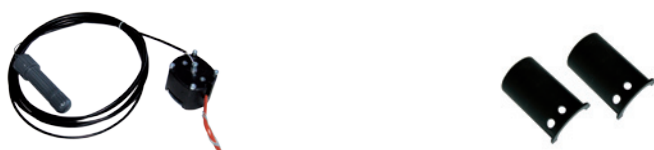


<b>EASY-TOP</b>	<b>EASY-BASIC</b>
Digital control unit for 230V motors	Analogue control unit for 230V motors

**ACCESSORIES**



<b>162629</b>	<b>162630</b>
Wall-mounting aluminium key switch with lock, push-button and lever for electro-brake release	Recessed installation aluminium key switch with lock, push-button and electro-brake release



<b>162627</b>	<b>162631</b>
Electro-brake	Shaft adapter Ø 42 (only for ARGO 160)

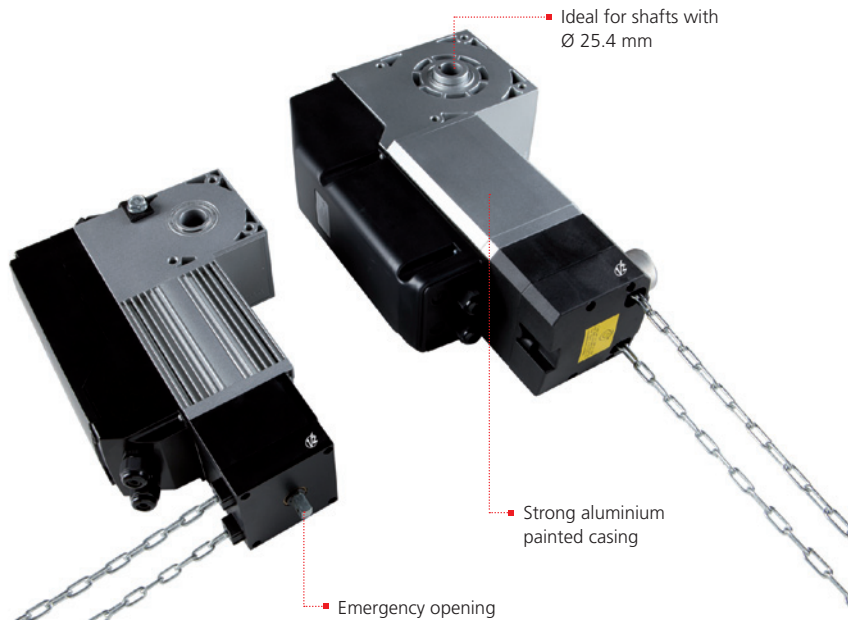


# wisant

## Electromechanic gearmotor

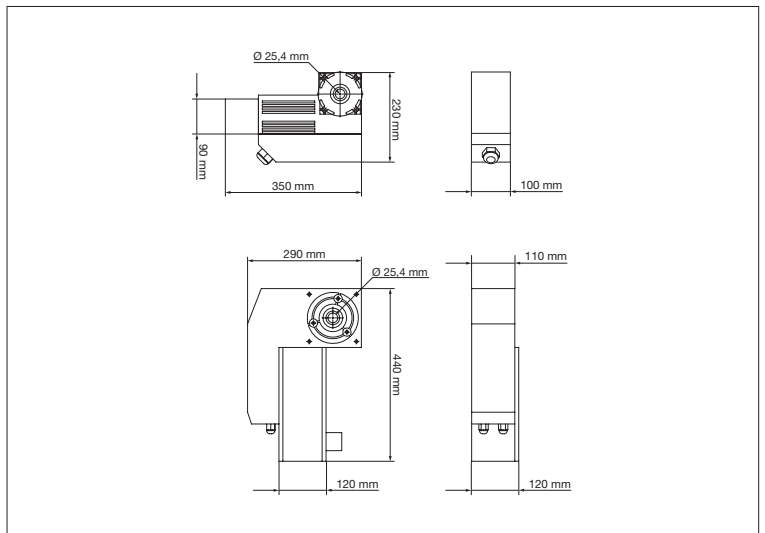
for industrial sectional doors up to 35 m<sup>2</sup>

Available in two versions 230V and 400V



## wisant PLUS

- Easy installation: to be directly installed on sectional door frame with reduced overall dimensions to make installation easier in any position
- Easy to use: thanks to the chain for door manual activation in case of black-out
- Reliable and precise: micrometric adjustment of opening and closing limit stops
- Dedicated output for connection to pilot light showing the door status



## TECHNICAL FEATURES

Description	230V for sectional doors up to 16 m <sup>2</sup>	400V for sectional doors up to 16 m <sup>2</sup>	400V for sectional doors up to 35 m <sup>2</sup>
<b>MODEL</b>	<b>WISANT-16-230V</b>	<b>WISANT-16-400V</b>	<b>WISANT-35-400V</b>
<b>CODE</b>	<b>25C006</b>	<b>25C009</b>	<b>25C007</b>
Power supply (Vac - Hz)	230 - 50	400 - 50	400 - 50
Absorbed power (W)	350	350	750
Door area (m <sup>2</sup> )	≤ 16	≤ 16	≤ 35
Full load current (A)	2	2	2.5
Torque (Nm)	30	60	120
Shaft diameter (mm)	25.4	25.4	25.4
Average speed (rpm)	32	32	32
Duty cycle (%)	30	30	30
Working temperature (°C)	-20 ÷ +40	-20 ÷ +40	-20 ÷ +40
Protection degree (IP)	20	20	20
Motor weight (Kg)	18	18	19

CONTROL UNITS TO BE USED

M  
230V



M  
400V



**CITY4**

Digital control unit for 230V motors

**HEAVY2**

Digital control unit for THREEPHASE 400V motors

# Value to security

People change,  
safety remains.

Thanks to V2 motors for barriers you can control the transit in highly frequented areas or public and private parkings. V2 motors are specially designed to withstand even an intensive use. You can rely on it.

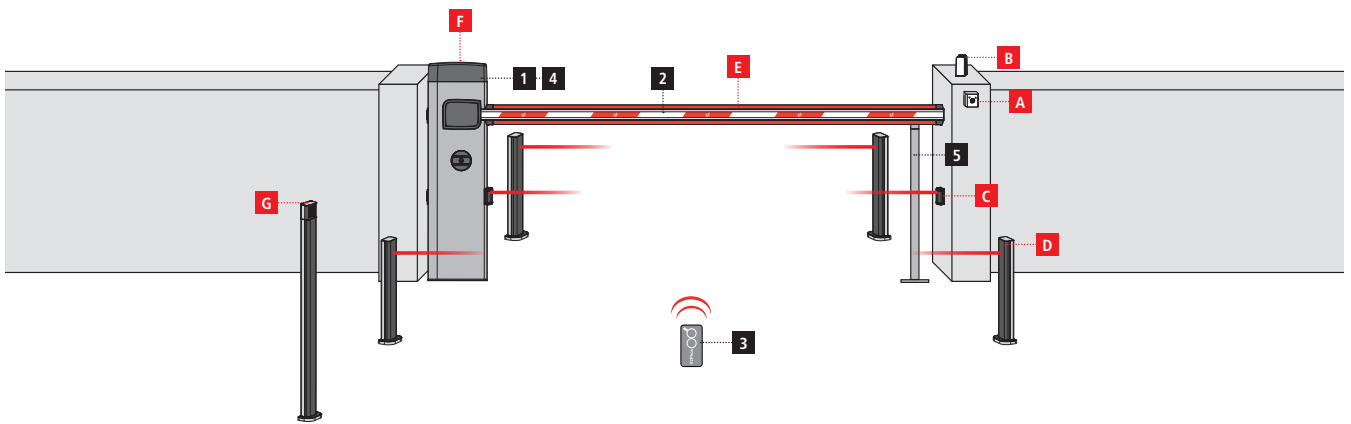


# MOTORS FOR **BARRIERS**



# EXAMPLE SYSTEM MOTORS FOR BARRIERS

96|99



## COMPONENTS

- 1** Motor
- 2** Boom
- 3** Transmitter
- 4** Receiving module
- 5** End support post

## ADDITIONAL ACCESSORIES

- A** Key switch
- B** Flashing light
- C** Photocells
- D** Pillar photocells
- E** Lights kit (boom)
- F** Lights kit (barrier)
- G** Pillar-mounted digital radio switch

## CABLE TO BE USED

LENGTH OF THE CABLE	< 10 metres	from 10 to 20 metres	from 20 to 30 metres
Power supply (230V)	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Photocells (TX)	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Photocells (RX)	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>	4 x 0.5 mm <sup>2</sup>
Key switch	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>	2 x 0.5 mm <sup>2</sup>
Flashing light	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>	2 x 1.5 mm <sup>2</sup>

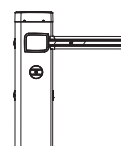
# INDEX OF PRODUCTS MOTORS FOR BARRIERS



Motors for BARRIERS

96|97

**niuba**



Accessories

98

**accessories for 4m barriers**

98

**accessories for 6m barriers**

99

**common accessories**



# niuba

## Rapid opening automatic raise arm barrier

for residential and multiple use installations **up to 6 m width**

Available in two versions:  
**24V** and **230V**



## niuba PLUS

- Accurate and safe operation with encoder
- Obstacle detection
- Self-learning of opening and closing times
- Synchronized operation of two barriers using the SYNCRO module
- Balance spring and kit for installing the boom included
- Anodized aluminium boom (accessory)

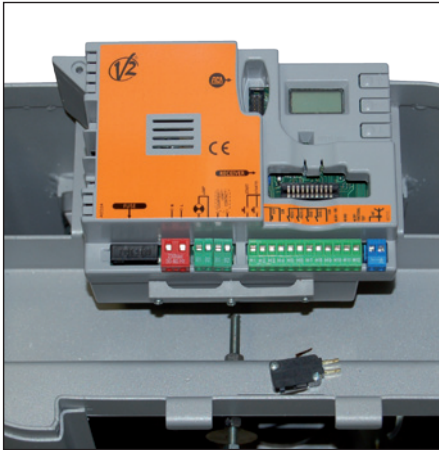
### 24V versions:

- Programmable acceleration and deceleration
- Operation in case of absence of power using the B-PACK backup battery
- Operation with solar power using the ECO-LOGIC system

## TECHNICAL FEATURES

Description	24V for booms up to 4 m	24V for booms up to 6 m	230V for booms up to 4 m	230V for booms up to 6 m
<b>MODEL</b>	<b>NIUBA4-24V</b>	<b>NIUBA6-24V</b>	<b>NIUBA4-230V</b>	<b>NIUBA6-230V</b>
<b>CODE</b>	<b>36A014</b>	<b>36A015</b>	<b>36A016</b>	<b>36A017</b>
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	230 - 50
Motor power supply (Vac - Hz)	24 Vdc	24 Vdc	230 - 50	230 - 50
Motor maximum power (W)	240	300	300	350
Opening time (s)	3 ÷ 4	5 ÷ 6	6	8
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Duty cycle % - (max. cycles/hour)	80 - (200)	80 - (150)	30 - (90)	30 - (90)
Protection degree (IP)	44	44	44	44
Motor weight (Kg)	44	52	44	52

CONTROL UNIT




- Programming achieved using 3 buttons and display
- Plug-in adaptor for modular radio receiver MR2
- Input for photocells with self-test function
- Input for mechanical safety edges
- Courtesy light output
- Self-learning of the limit switch points and obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Slow-down in the limit switch area
- Monitoring of input status using the display
- ADI connector for connecting CL1+, SYNCRO optional modules

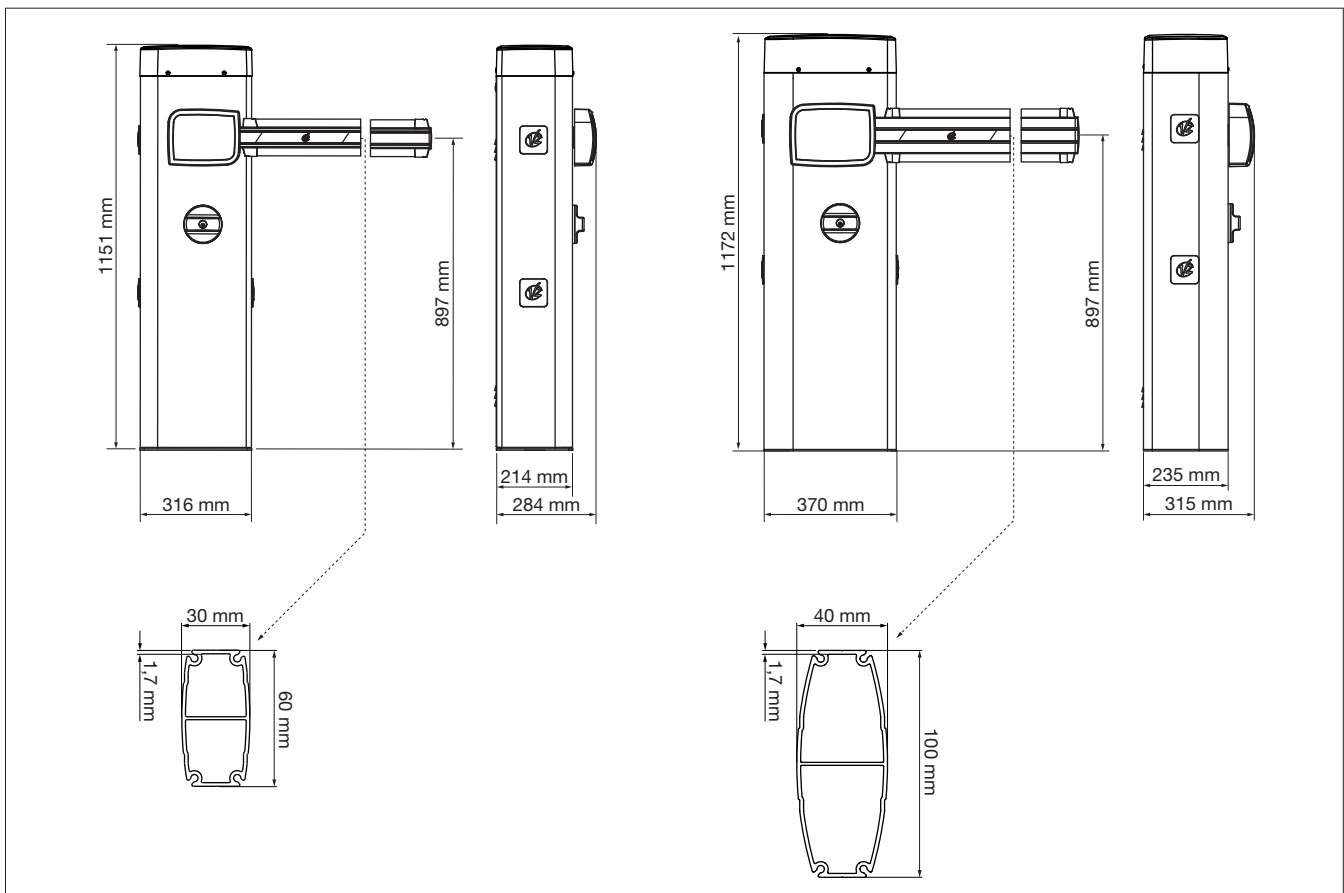
**24V versions**

- Holding magnet output
- 24V flashing light output
- Energy Saving function to minimise consumption in stand-by mode

**230V versions**

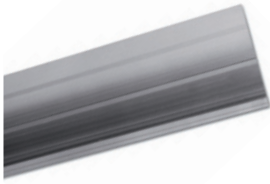
- Output for flashing light 230V with intermittence

 Electrical connections of the control unit on page 124

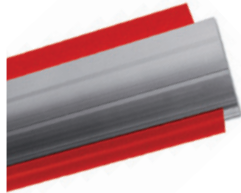




## ACCESSORIES FOR 4 m BARRIERS



**163614**  
4.22 m square aluminium boom



**163628**  
4.22 m square aluminium boom with pre-assembled protective rubber



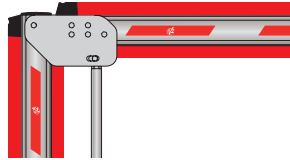
**163617**  
4.22 m round (Ø 60) aluminium boom



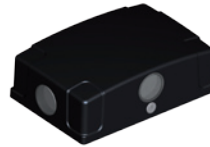
**163619**  
Ø 60 round boom kit



**173608**  
Anchor plate

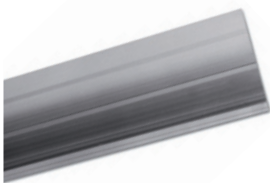


**163616**  
Joint for square boom

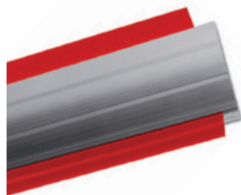


**163630**  
Cover with integrated flashing light

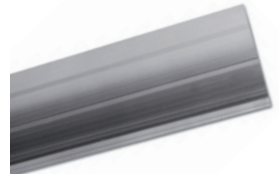
## ACCESSORIES FOR 6 m BARRIERS



**163613**  
6.28 m square aluminium boom



**163627**  
6.28 m square aluminium boom with pre-assembled protective rubber



**163632**  
6.28 m square aluminium boom divided into 2 sections with connecting elements



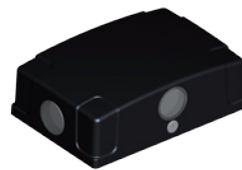
**163623**  
6.28 m round (Ø 90) aluminium boom



**163610**  
Ø 90 round boom kit


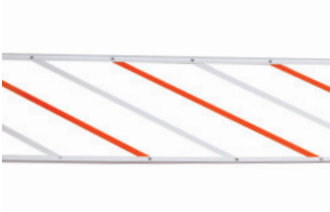



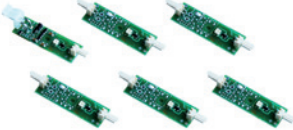





**173621**  
Anchor plate



**163631**  
Cover with integrated flashing light

## COMMON ACCESSORIES

			
<p><b>163629</b> Protective rubber kit (6m x 2)</p>	<p><b>163618</b> Aluminium shelf (2 m)</p>	<p><b>163604</b> Movable end support post</p>	<p><b>163605</b> End support post</p>
			
<p><b>163622</b> Reflective adhesive strips (24 pieces)</p>	<p><b>163615</b> Lights kit consisting of 6 modules and wirings</p>	<p><b>161212 • B-PACK</b> Backup battery with built-in charger</p>	
			
<p><b>11B047 • MR2</b> 433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)</p>	<p><b>161213 • CL1+</b> ADI module to block and copy the programming of the control unit</p>		

# Value to control

A touch,  
and everything is under control.

V2 control units are designed to manage swing gates and sliding gates, shutters, blinds and awnings. Innovation and research for the best technological solutions to ensure maximum safety of operation. Thus, after the installation, you don't need to worry about anything else.



## CONTROL UNITS



# INDEX OF PRODUCTS

## CONTROL UNITS

104|116



Control units for SWING and SLIDING gates	104	city1	
	105	city2+	
	106	city4	
	107	city9	
	108	city11	
	109	flexy2	
Control units for INDUSTRIAL doors	110	heavy1	
	111	heavy2	

**Control units for ROLLING SHUTTERS**

112

**easy-top**



113

**easy-basic**



114

**easy1**



115

**easy2**



**Control units for TRAFFIC LIGHTS**

116

**city5**



**Accessories for the control units**

117|119

**Connections of the control units**

120|122

**Connections of the control units  
integrated in the motors**

123|125



## CONTROL UNITS

# city1

### Control unit

for swing and sliding gates

230V digital



## city1 PLUS

- Programming achieved using 3 program buttons and display
- 230V power supply for 2 single-phase motors
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Safety device test before any opening
- 230V flashing light output (use flashing lights with intermittence)
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminders
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Slow start function during opening (programmable time)
- Monitoring of input status using the display
- Available in the 230V CITY1-ECD version allowing the control of motors equipped with ENCODER

### TECHNICAL FEATURES

Description	230V for 230V motors	230V for 230V motors with encoder
<b>MODEL</b>	<b>CITY1</b>	<b>CITY1-ECD</b>
<b>CODE</b>	<b>12G010</b>	<b>12G033</b>
Power supply (V / Hz)	230/50	230/50
Maximum motor load (W)	2 x 700	2 x 700
Maximum 24V accessories load (W)	10	10
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	295 x 230 x 100
Weight (g)	1600	1600
Protection degree (IP)	55	55

### ACCESSORIES



11B047 • MR2	161213 • CL1+	35B026 • WES-ADI	161217 • LUX2+
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors (only for CITY1-ECD)	ADI module for the management of lights, traffic light or electro-brake (only for CITY1-ECD)



# city2+

## Control unit

for swing and sliding gates equipped with 2 x 24V motors

230V digital



## city2+ PLUS

- Programming achieved using 3 program buttons and display
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- Emergency pack battery input
- Encoder input
- Low voltage output for warning light or 24V flashing light
- Safety device test before any opening
- Amperometric sensor obstacle detection function with programmable threshold
- Operational cycle counter, with programmable maintenance reminders
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status using the display
- Energy Saving function to minimise consumption in standby mode
- Also available as CITY2+BC version configured to work with the ECO-LOGIC system (this version has no transformer or power supply card)

## TECHNICAL FEATURES

Description	230V for 24V motors (2 x 150W)	230V for 24V motors (2 x 100 W)	24Vdc for 24V motors (2 x 150W)
<b>MODEL</b>	<b>CITY2+</b>	<b>CITY2+ L</b>	<b>CITY2+ BC</b>
<b>CODE</b>	<b>12A024</b>	<b>12A037</b>	<b>12A030</b>
Power supply (V / Hz)	230/50	230/50	24 Vdc
Maximum total load (W)	250	200	250
Maximum load for each motor (W)	150	100	150
Maximum 24V accessories load (W)	7	7	7
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100	295 x 230 x 100	295 x 230 x 100
Weight (g)	3000	1200	1000
Protection degree (IP)	55	55	55

## ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161212 ▪ B-PACK
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	Backup battery with built-in charger



## CONTROL UNITS

# city4

### Control unit

for swing gates (single leaf) and sliding gates

230V digital



## city4 PLUS

- Programming achieved using 3 program buttons and display
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Auxiliary channel management from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Self-learning operating time function
- Obstacle detection function
- Operational cycle counter, with programmable maintenance reminder
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Slow start function during opening (programmable time)
- Monitoring of input status using the display

### TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>CITY4</b>
<b>CODE</b>	<b>12G021</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	295 x 230 x 100
Weight (g)	1600
Protection degree (IP)	55

### ACCESSORIES



#### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)

#### 161213 • CL1+

ADI module to block and copy the  
programming of the control unit

#### 161217 • LUX2+

ADI module for the management of  
lights, traffic light or electro-brake



# city9

## Control unit

for sliding gates

**230V analogue**



## city9 PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Safety device test before any opening
- Courtesy light output (also controllable by transmitter)
- Slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>CITY9</b>
<b>CODE</b>	<b>12B021</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

## ACCESSORIES



### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)



## CONTROL UNITS

# city11

### Control unit

for swing gates

**230V analogue**  
with **12V electrolock output**



## city11 PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Electrolock output 12V
- Plug-in adaptor for modular radio receiver MR2
- Start, pedestrian start and stop controls from transmitter
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

### TECHNICAL FEATURES

Description	230V for 230V motors
<b>MODEL</b>	<b>CITY11</b>
<b>CODE</b>	<b>12A033</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	10
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	1200
Protection degree (IP)	55

### ACCESSORIES



#### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)





# flexy2

## Control unit

for swing and sliding gates

**230V analogue**  
with **built-in receiver**  
**(433.92 MHz)**

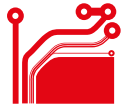


## flexy2 PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 2 single-phase motors
- Built-in receiver (433,92 MHz)
- Possibility to store up to 240 Personal Pass transmitter
- RJ45 connector to connect the control unit to the programmer PROG2 via standard network cable (UTP)
- Start, pedestrian start and stop controls from transmitter
- Open/close limit switch inputs
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Leaf slow-down function in limit switch area to prevent noisy closures and rebounds
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	230V for 230V motors
<b>MODEL</b>	<b>FLEXY2</b>
<b>CODE</b>	<b>12G035</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55



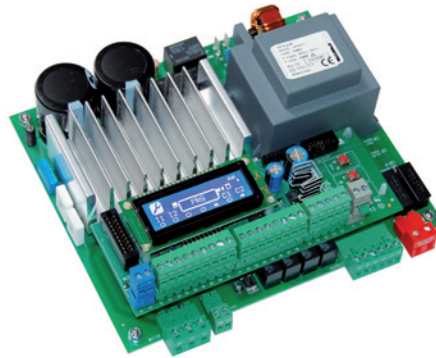
## CONTROL UNITS

# heavy1

### Control unit

for 230V three-phase motors

230V digital with INVERTER



heavy1-pb



heavy1-mb



## heavy1 PLUS

- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1x230V three-phase motor (delta connection)
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Three relay outputs programmable as lights, electrolock, warning light, electrobrake or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light)
- Test of safety devices before each opening
- Precise adjustment of strength and speed during regular stroke and during slowdowns
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

### TECHNICAL FEATURES

Description	230V with INVERTER electronic board only	230V with INVERTER plastic box	230V con INVERTER metal box
<b>MODEL</b>	<b>HEAVY1</b>	<b>HEAVY1-PB</b>	<b>HEAVY1-MB</b>
<b>CODE</b>	<b>12B052</b>	<b>12B055</b>	<b>12B057</b>
Power supply (V / Hz)	230/50	230/50	230/50
Motor frequency (Hz)	5 ÷ 99	5 ÷ 99	5 ÷ 99
Maximum motor load (W)	1500	1500	1500
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 185	400 x 300 x 185
Weight (g)	1800	4500	8700
Protection degree (IP)	-	54	66

### ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161216 ▪ SYNCRO
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	ADI modules for synchronized operation of two control units

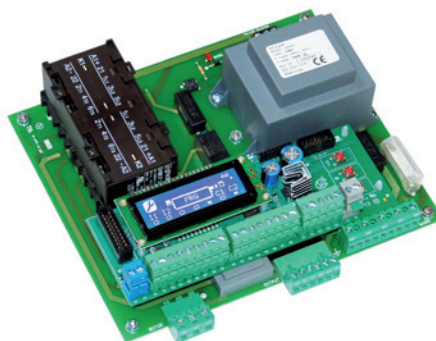


# heavy2

## Control unit

for 230V/400V three-phase motors

230V/400V digital



heavy2-pb



heavy2-mb



## heavy2 PLUS

- Programming achieved using 3 program buttons and display
- Multilingual programming menu through 122x32 pixel graphic display
- Power supply for 1 x 230V/400V three-phase or 230V single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Input for connection of an encoder
- Start control, pedal start, stop by transmitter
- Two relay outputs programmable as lights, electrolock, warning light or functioning test 12Vdc
- 230V flashing light output (use intermittent flashing light )
- Test of safety devices before each opening
- Self-learning function of the stroke
- Obstacle detection function through amperometric sensor
- Operational cycle counter with programmable maintenance reminder
- Monitoring of input status using the display
- Available in version with only board or housed in a container (made of plastic or metal) with safety disconnecting switch and OPEN, CLOSE and EMERGENCY STOP buttons

## TECHNICAL FEATURES

Description	230V / 400V electronic board only	230V / 400V plastic box	230V / 400V metal box
<b>MODEL</b>	<b>HEAVY2</b>	<b>HEAVY2-PB</b>	<b>HEAVY2-MB</b>
<b>CODE</b>	<b>12B053</b>	<b>12B056</b>	<b>12B058</b>
Power supply (V / Hz)	400V - 230V (three-phase)	400V - 230V (three-phase)	400V - 230V (three-phase)
Maximum motor load (W)	4	4	4
Maximum 24V accessories load (W)	20	20	20
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Dimensions (mm)	200 x 172 x 80	400 x 300 x 185	400 x 300 x 185
Weight (g)	1600	4300	8500
Protection degree (IP)	-	54	66

## ACCESSORIES



11B047 ▪ MR2	161213 ▪ CL1+	35B026 ▪ WES-ADI	161217 ▪ LUX2+	161216 ▪ SYNCR
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	ADI module to block and copy the programming of the control unit	ADI module for radio control of the safety devices through WES sensors	ADI module for the management of lights, traffic light or electro-brake	ADI modules for synchronized operation of two control units



**CONTROL UNITS**

# easy-top

## Control unit

for rolling shutters

**230V digital**



## easy-top PLUS

- Programming achieved using program buttons and display
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 1 emergency (fire alarm / alarm) input
- 24V accessory power supply output
- 230V flashing light/courtesy light output
- Optical-type safety edge power adjustment output
- Plug-in terminal boards
- Monitoring of input status shown by display
- Option to install the cover with keypad (code 171224), making it possible to control the control unit directly, when used in combination with module 171226

## TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>EASY-TOP</b>
<b>CODE</b>	<b>12C045</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

## ACCESSORIES



<b>11B047 • MR2</b>	<b>35B025 • WES-EASY</b>	<b>171224 • EASY-PULSE</b>	<b>171226 • EASY-PULSE</b>
433.92 MHz plug-in receiver module Also available in 868.30 MHz version (code 11B048)	Optional card for radio control of safety devices using WES sensors	3 push-button casing	Push-button adapter



# easy-basic

## Control unit

for rolling shutters

230V analogue



## easy-basic PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Built-in radio receiver (433,92 MHz)
- Operation with Personal Pass or Royal series transmitters
- Possibility of storing up to 30 different codes (Personal Pass)
- Start, stop / safety edge inputs
- 1 input for photocells
- Start and courtesy light from transmitter
- 230V output for flashing light or courtesy light
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>EASY-BASIC</b>
<b>CODE</b>	<b>12C044</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	1100
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55



## CONTROL UNITS

# easy1

### Control unit

for rolling shutters  
and screens

**230V analogue**  
with **built-in receiver**  
(433.92 MHz)



## easy1 PLUS

- 230V power supply for 1 single-phase motor
- Maximum available power for 1 motor: 700W
- Built-in radio receiver capable of memorising 32 Personal Pass transmitters
- Separated start inputs to control the UP/DOWN function by two push-buttons
- Possibility to control the rolling shutter with one single push-button configuring the STEP BY STEP logic
- Operating with one or two push-buttons also from transmitter

### TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>EASY1</b>
<b>CODE</b>	<b>12C029</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	41 x 127 x 24
Weight (g)	100
Protection degree (IP)	55



# easy2

## Control unit

for rolling shutters

230V analogue  
with **courtesy light**  
and **automatic closure**



## easy2 PLUS

- Adjustment and programming by trimmer and dip-switch
- 230V power supply for 1 single-phase motor
- Plug-in adaptor for modular radio receiver MR2
- Up, stop, down inputs
- Up, stop, down and courtesy light controls from transmitter
- 1 photocell input with self-test function
- 1 mechanical, resistive or optical-type safety edge input with self-test function
- 230V flashing light output (use flashing lights with intermittence)
- Courtesy light output (also controllable by transmitter)
- Safety device test before any opening
- Monitoring of input status shown by LEDs

## TECHNICAL FEATURES

Description	<b>230V</b> for 1 <b>230V</b> motor
<b>MODEL</b>	<b>EASY2</b>
<b>CODE</b>	<b>12C030</b>
Power supply (V / Hz)	230/50
Maximum motor load (W)	700
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	170 x 185 x 70
Weight (g)	800
Protection degree (IP)	55

## ACCESSORIES



### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)



## CONTROL UNITS

# city5



### Control unit

for controlling a traffic light installed near an alternate-way traffic passageway

**230V digital**



## city5 PLUS

- Programming achieved using 3 program buttons and display
- Management of 2 traffic light units
- Mains-independent lamps power supply
- Plug-in adaptor for modular radio receiver MR2
- 2 push-button inputs: entry, exit
- 1 control device input code
- 2 vehicle presence detection inputs (N.O. or N.C.)
- 1 emergency input, to guarantee green on exit
- Independent input and output control from transmitter
- 2 control outputs for the gate control unit (N.O. or N.C.) opening and closing
- 2 x 24V ac/dc outputs for supplying accessories
- On-card traffic-light status LEDs
- Vehicle transit counter, with restricted access upon reaching parking capacity
- Programming right-of-way criteria in both directions
- Monitoring of input status using the display

### TECHNICAL FEATURES

Description	230V for traffic light
<b>MODEL</b>	<b>CITY5</b>
<b>CODE</b>	<b>12G014</b>
Power supply (V / Hz)	230/50
Power supply for the lamps of the light (Vac)	Direct or alternate current, max 250V
Maximum charge of the lamps of the light (A)	5
Maximum 24V accessories load (W)	3
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	195 x 145 x 80
Weight (g)	800
Protection degree (IP)	55

### ACCESSORIES



#### 11B047 • MR2

433.92 MHz plug-in receiver module  
Also available in 868.30 MHz version  
(code 11B048)





TO CHECK THE COMPATIBILITY OF THE ACCESSORY MODULES SET FORTH IN THIS SECTION, REFER TO THE PAGES DESCRIBING THE CONTROL UNITS OR THE MOTORS WITH BUILT-IN CONTROL UNIT

# mr2

Plug-in receiver module



- Operation with Personal Pass or Royal series transmitters
- Possibility of storing up to 1008 different codes (Personal Pass)
- Possibility to enable or disable the ROLLING CODE mode
- Self-learning of transmitters managed by radio
- 4 programmable channels with monostable, bistable or timer operating logics

MODEL	MR2-U-433	MR2-U-868
CODE	11B047	11B048
Frequency (MHz)	433.92	868.30

# cl1+

ADI module to block and copy the programming of the control unit



- Possibility to block the programming of digital control units
- Possibility to copy the contents of the memory to be transferred to other control units of the same model (via ADI connector)
- Using CL1+ in conjunction with the software V2+ the installation data can be managed through a PC (via USB connection)

MODEL	CL1+
CODE	161213

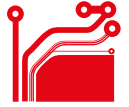
# v2+

Software for the management of control units



- By using the V2+ software in conjunction with the CL1+ module you can:
- Create a database of installations data
  - Create custom programming to be used during installation
  - Change the configuration of the control unit connecting to the PC the CL1+ inserted on the control unit

MODEL	V2+
CODE	21A003



## ACCESSORIES FOR THE CONTROL UNITS

# lux2+

**ADI module for the management of lights, traffic light or electro-brake**



LUX2+ is an optional module that allows you to increase the capabilities of the V2 control unit controlling two independent relay outputs.

The outputs are programmable with 5 different functions via the programming menu of the control unit.

The functions available are:

- Auxiliary channel
- Flashing or warning light for open gate
- Courtesy light
- Traffic light
- Electro-brake

<b>MODEL</b>	<b>LUX2+</b>
<b>CODE</b>	<b>161217</b>

# wes-adi

**ADI module for radio control of the safety devices through WES sensors**



Optional card for radio control of safety devices using WES sensors (page 160).

The system consists of a WES-ADI base unit plugged on the control unit, and one or more sensors (up to 8) connected to the safety devices (edges or photocells).

The base unit constantly checks the status of the sensors connected to it; if a safety device connected to one of the sensors is activated, the WES-ADI base unit signals the anomaly to the control unit

<b>MODEL</b>	<b>WES-ADI</b>
<b>CODE</b>	<b>358026</b>

# syncro

**ADI modules for synchronized operation of two devices**



Pair of optional modules enabling synchronized operation of 2 sliding motors or control units

<b>MODEL</b>	<b>SYNCRO</b>
<b>CODE</b>	<b>161216</b>

# wes-easy

**Optional card for radio control of safety devices using WES sensors**



Optional card dedicated to EASY-TOP control unit for radio control of safety devices using WES sensors (page 160).

The system consists of a WES-EASY base unit plugged on the control unit, and one or more sensors (up to 8) connected to the safety devices (edges or photocells).

The base unit constantly checks the status of the sensors connected to it; if a safety device connected to one of the sensors is activated, the WES-EASY base unit signals the anomaly to the control unit

<b>MODEL</b>	<b>WES-EASY</b>
<b>CODE</b>	<b>35B025</b>

# easy-pulse

**Casing with keypad and adapter**



Casing with keypad and adapter to be inserted in the card for direct control of the control unit EASY-TOP

Description	3 push-button casing	push-button adapter
<b>MODEL</b>	<b>EASY-PULSE</b>	<b>EASY-PULSE</b>
<b>CODE</b>	<b>171224</b>	<b>171226</b>

# b-pack

**Backup battery**



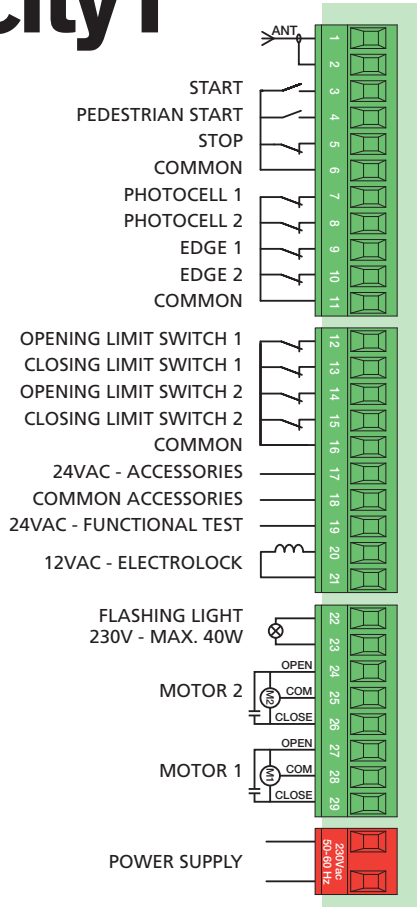
- Operation of the automation ensured in case of power failure
- 2 12V - 2,2Ah batteries
- Built-in charger
- LED indicating the charge level of the batteries

<b>MODEL</b>	<b>B-PACK</b>
<b>CODE</b>	<b>161212</b>

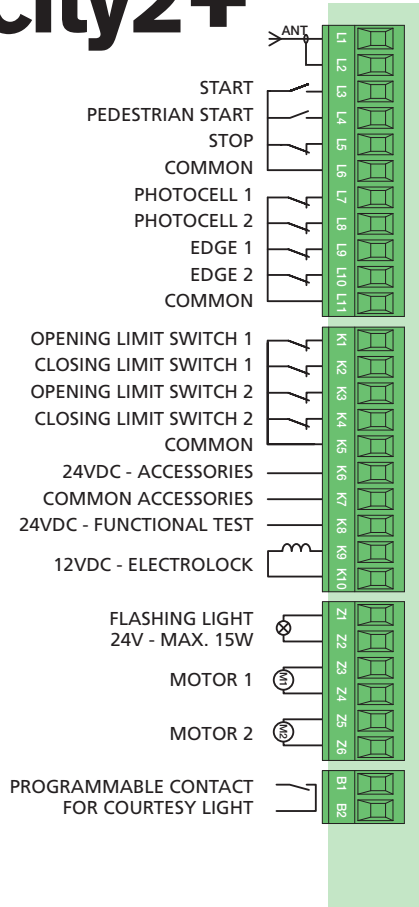


# CONNECTIONS OF THE CONTROL UNITS

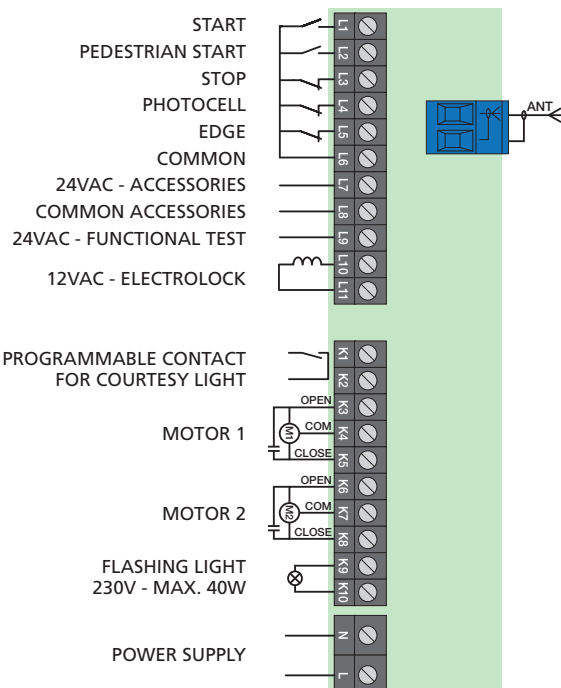
## city1



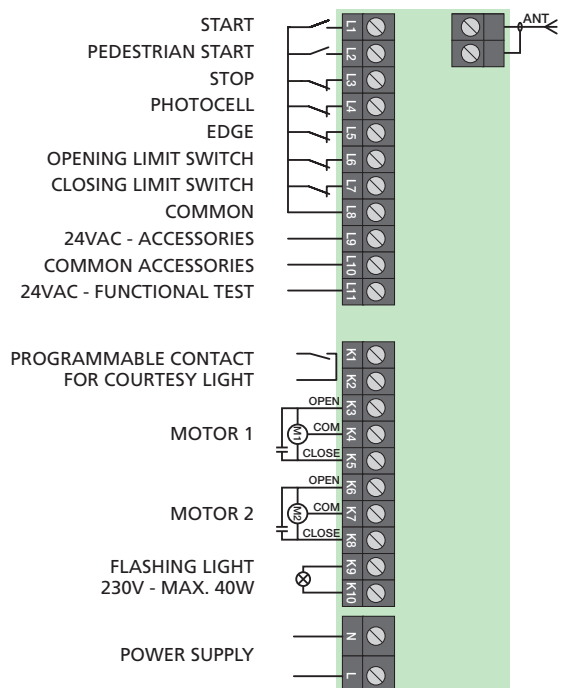
## city2+



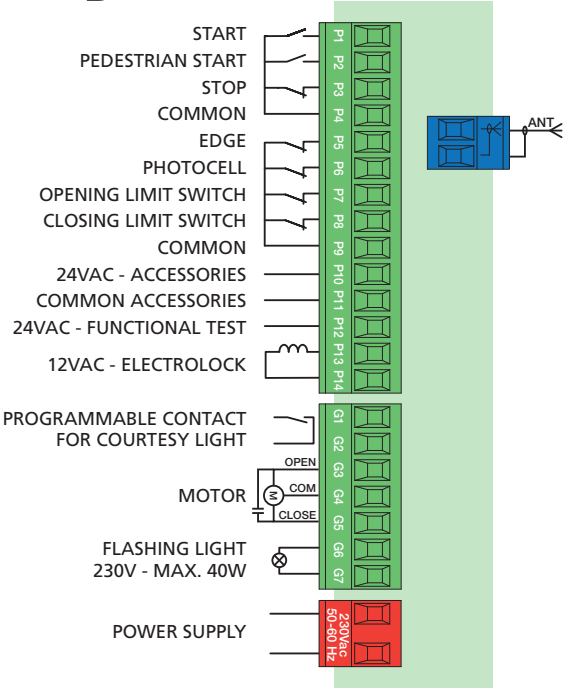
## city1 1



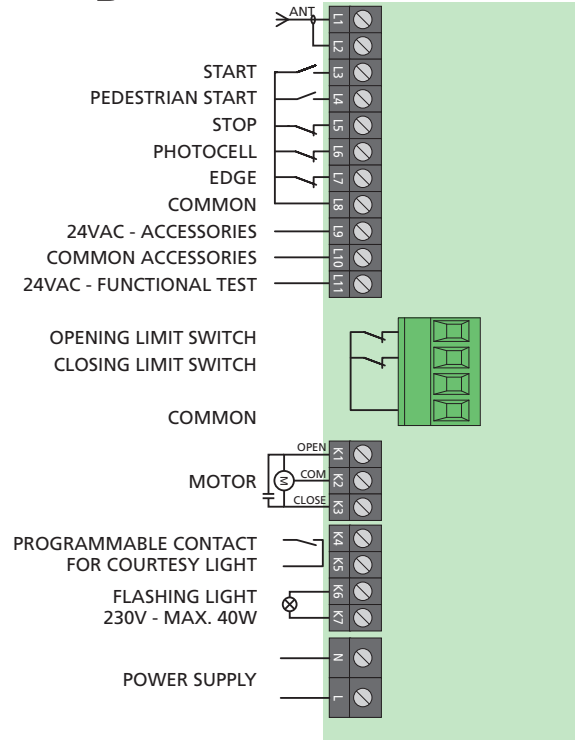
## flexy2



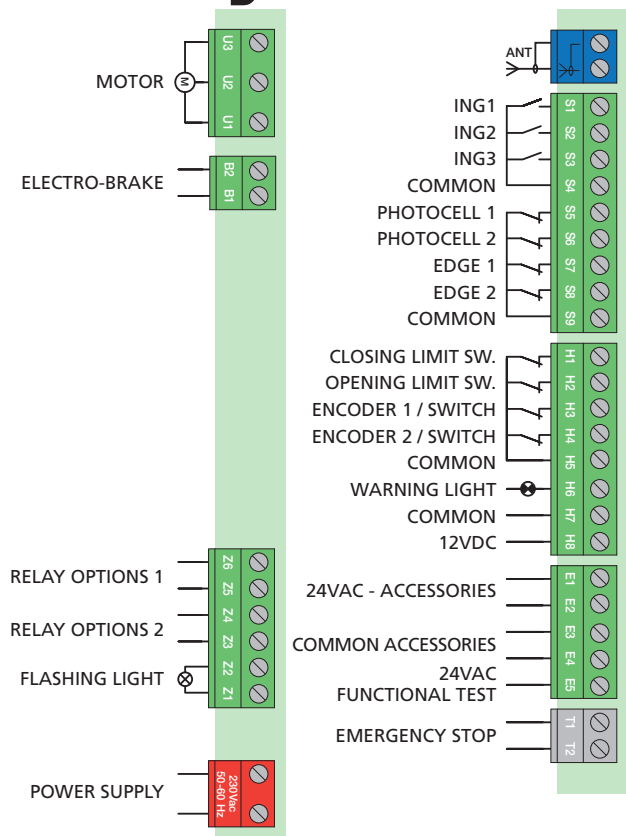
# city4



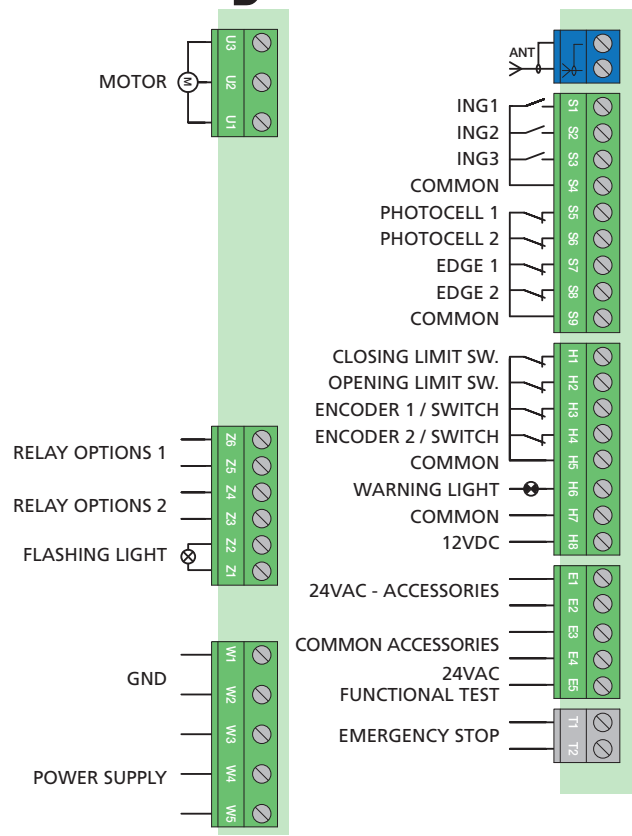
# city9



# heavy1



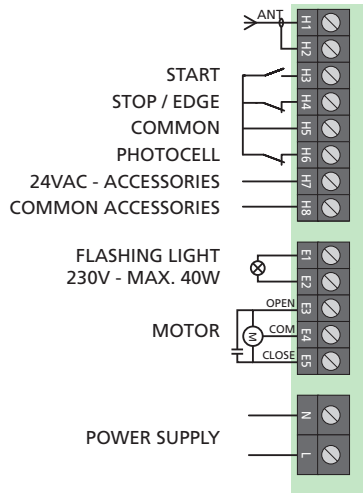
# heavy2



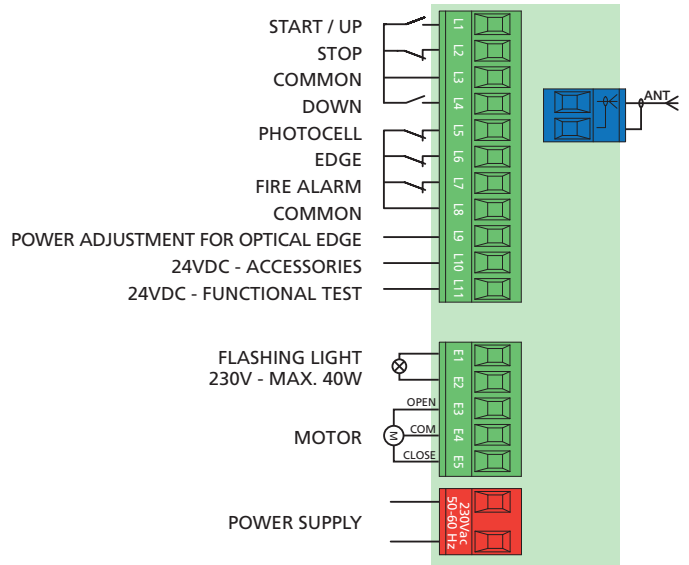


# CONNECTIONS OF THE CONTROL UNITS

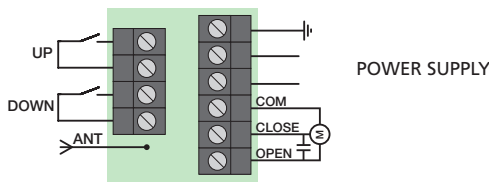
## easy-basic



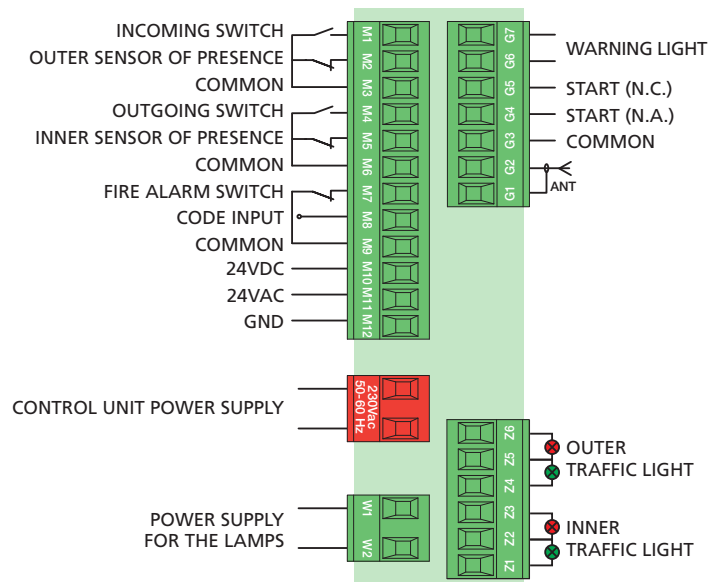
## easy-top



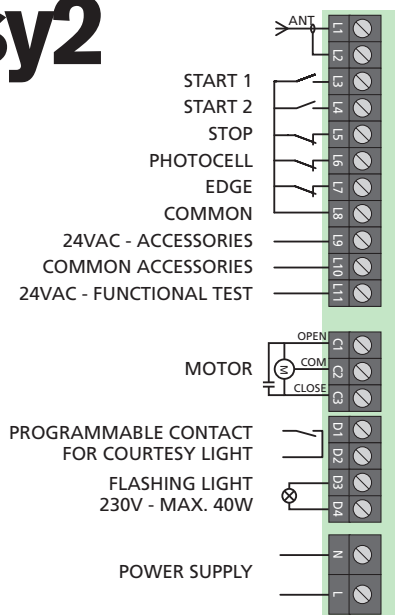
## easy1

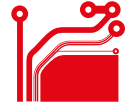


## city5

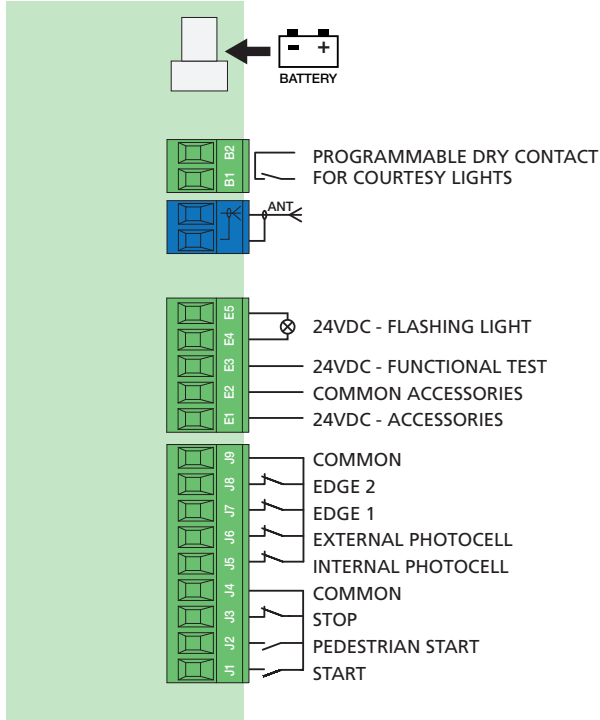


## easy2

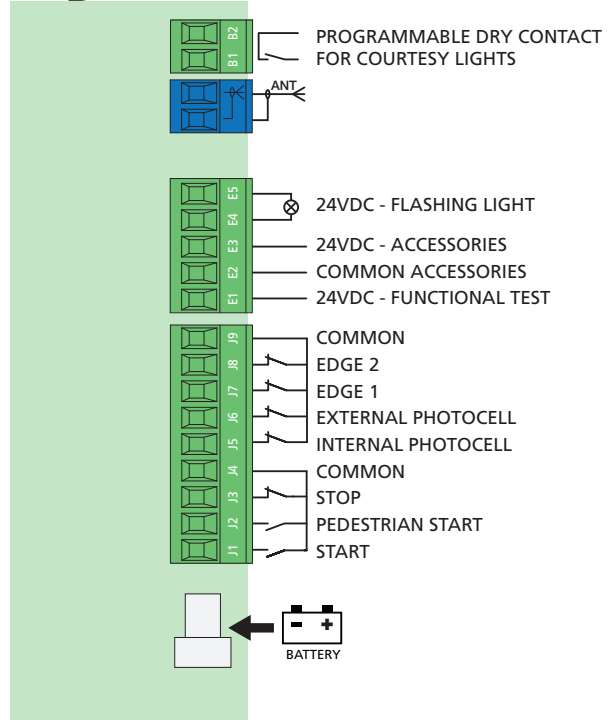




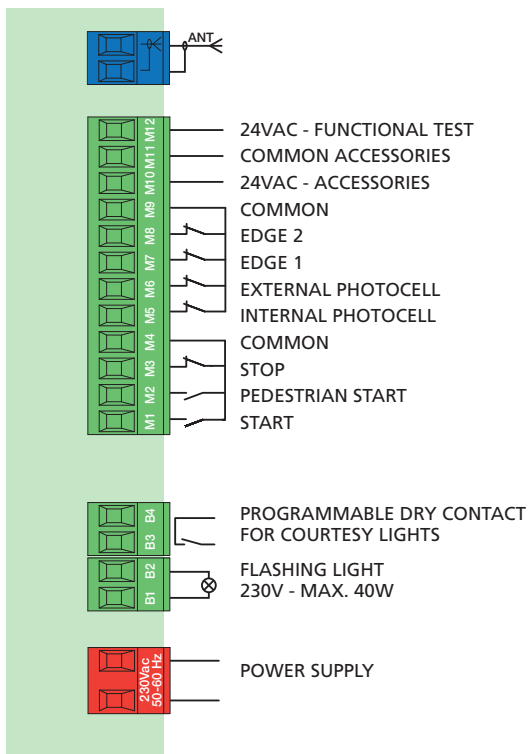
# alfariss



# ayros-24V



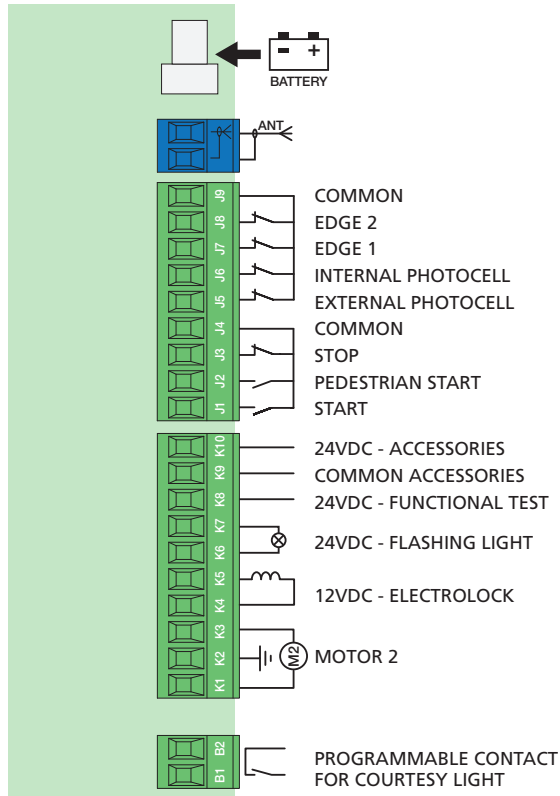
# ayros-230V - forteco



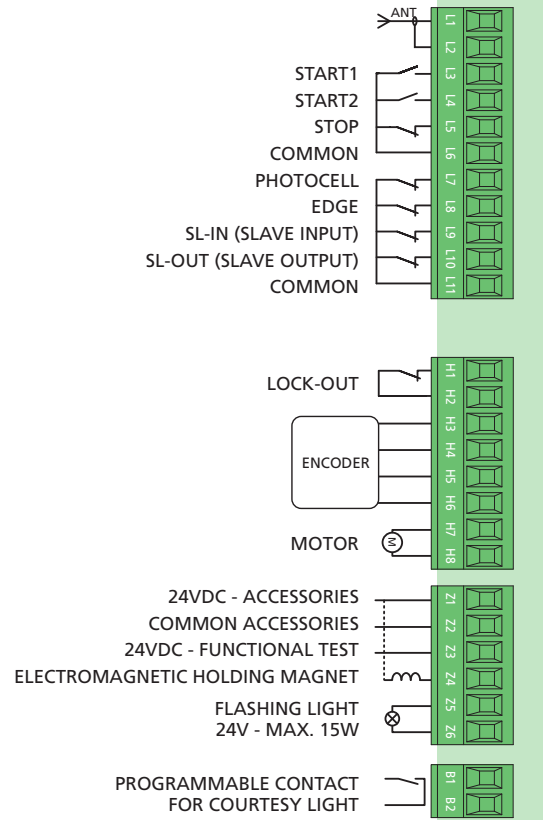


# CONNECTIONS OF THE CONTROL UNITS ON THE MOTORS

## zariss

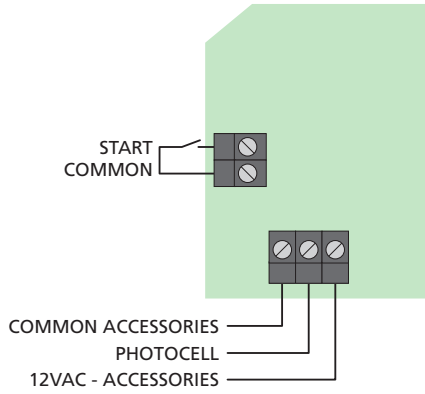


## niuba

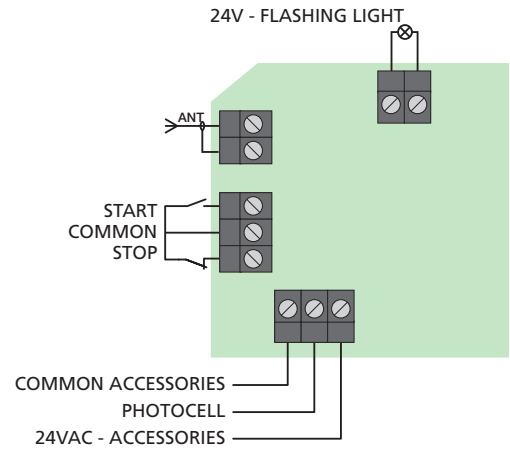




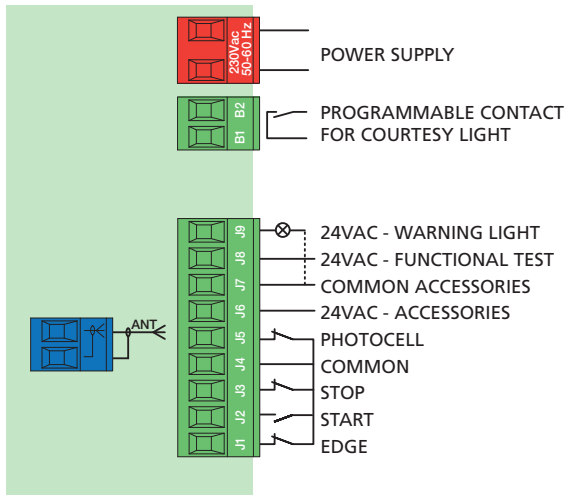
# azimut



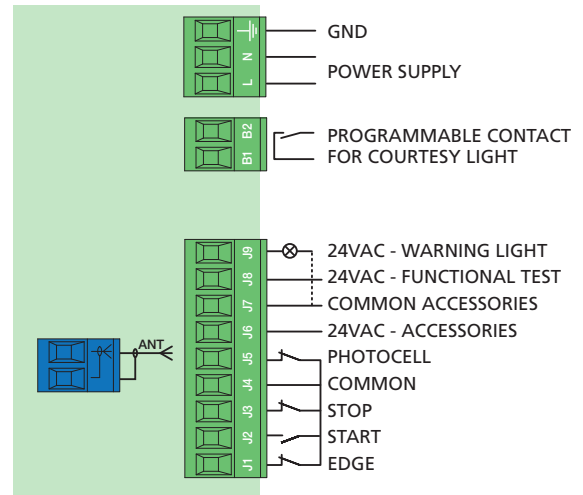
# jedi



# vega-c 230V



# vega-24V



CONTROL UNITS

# Value to comfort

Solutions  
that communicate innovation.

V2 transmitters and receivers interact with high technology, to simplify the control of each system.

Small in size and intelligent in performance, they offer practical and diversified solutions, to make remote control a more practical, easy and safe possibility.

This is true comfort.

# TRANSMITTERS AND RECEIVERS
















# INDEX OF PRODUCTS

## TRANSMITTERS AND RECEIVERS



Transmitters	130	phox	
	131	match	
	132	tmu100	
	133	pmr	
Receivers	134	wally	
	135	mr2	
	136	wally2-230V	
	137	rxp4	
Programming devices and software	138	prog2	
	138	flash-prog	
	139	winppcl	
Miniaturized control modules	140 141	dev	



# phox

## Personal Pass transmitter

433.92 - 868.30 MHz  
rolling code



## phox PLUS

- Rolling code transmission
- 433.92 MHz and 868.30 MHz version
- 2-button and 4-button version, programmable or factory set
- Possibility to obtain up to 14 channels by combining the pressure of multiple buttons
- Programming via radio through Flash-prog and Winppcl without having to remove the transmitter from the single box
- Possibility of programming - using Winppcl - spare transmitters able to replace transmitters previously stored on the system
- Available in multi-colour packs: 10 transmitters in 5 different colours (2 transmitters per colour)

## TECHNICAL FEATURES

MODEL	PHOX2-433	PHOX2P-433	PHOX4-433	PHOX4P-433	PHOX2-868	PHOX2P-868	PHOX4-868	PHOX4P-868
CODE	10V001	10V002	10V003	10V004	10V005	10V006	10V007	10V008
Frequency (MHz)	433.92	433.92	433.92	433.92	868.30	868.30	868.30	868.30
Buttons	2	2	4	4	2	2	4	4
Factory set	•		•		•		•	
Programmable		•		•		•		•
Range in open field (m)	350				250			
Power supply (battery type)	Lithium 3V (CR2032)							
Max. absorption (mA)	< 10							
Dimensions (mm)	32.4 x 63.2 x 9.8							

## MULTI-COLOUR PACK



MODEL	PHOX2-433	PHOX2P-433	PHOX4-433	PHOX4P-433	PHOX2-868	PHOX2P-868	PHOX4-868	PHOX4P-868
CODE	10V501	10V502	10V503	10V504	10V505	10V506	10V507	10V508



# match

## Royal transmitter and copier for fixed codes

433.92 MHz  
Royal / 53200 code



### match PLUS

- Ideal to copy all the fixed code transmitters transmitting at 433.92MHz
- Quick, easy programming
- Available in two different colours
- Each button operates independently, so a single MATCH transmitter can store the code of four different transmitters
- Every button is already configured with a ROYAL type code at 20 bit; therefore, MATCH can be used immediately like a regular transmitter
- Possibility to configure the transmission code as 53200 at 12 bit

### TECHNICAL FEATURES

MODEL	MATCH-W	MATCH-B
CODE	10R005	10R006
Frequency (MHz)	433.92	433.92
Colour	white	black
Range in open field (m)	300	
Power supply (battery type)	Lithium 3V (CR2032)	
Max. absorption (mA)	< 8	
Dimensions (mm)	38 x 73 x 10	



## TRANSMITTERS AND RECEIVERS

# tmu100

### 100-channel Personal Pass transmitter with display

433.92 MHz  
rolling code



## tmu100 PLUS

- Rolling code transmission
- 100 available channels
- Each channel can transmit 2 different commands (OPEN or CLOSE)
- Display to select the channels and the programming steps
- Possibility to program the favourite channel
- Possibility to set the last channel, useful when not using all 100 channels
- Low battery warning
- Ongoing transmission signal

## TECHNICAL FEATURES

MODEL	TMU100
CODE	10M003
Frequency (MHz)	433.92
Range in open field (m)	150
Power supply (battery type)	2 x Lithium 3V (CR2032)
Max. absorption (mA)	< 10
Dimensions (mm)	52 x 124 x 20





# pmr

## Wall-mounted Personal Pass transmitter

433.92 MHz  
rolling code



### pmr PLUS

- Rolling code transmission
- Working range of up to 20 m in closed environments, passing through even 2 main walls, and 200 m in the open
- Option to automatically prolong transmission for 3 seconds
- Automatic 3 time repetition of the last command executed

## TECHNICAL FEATURES

MODEL	PMR2	PMR4
CODE	10K001	10K004
Frequency (MHz)	433.92	433.92
Buttons	2	4
Range in open field (m)	200	
Power supply (battery type)	2 x Lithium 3V (CR1616)	
Max. absorption (mA)	< 11	
Dimensions (mm)	70 x 70 x 17	



## TRANSMITTERS AND RECEIVERS

# wally

### 12/24V outdoor receivers

433.92 - 868.30 MHz  
Personal Pass / Royal



## wally PLUS

- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 1, 2 and 4 channel version
- Monostable, bistable or timer operating logic
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board

## TECHNICAL FEATURES

MODEL	WALLY1-U-433	WALLY2-U-433	WALLY4-U-433	WALLY1-U-868	WALLY2-U-868	WALLY4-U-868
CODE	11G050	11G051	11G052	11G053	11G054	11G055
Frequency (MHz)	433.92	433.92	433.92	868.30	868.30	868.30
Channels	1	2	4	1	2	4
Power supply	12 - 24 Vac / 12 - 36 Vdc					
Absorption in stand-by (mA)	16 @ 24 Vdc					
Relay contacts (A)	1 @ 30 Vdc					
Sensibility	≥ -103 dBm					
S/N	> 17dB @ 100dBm m=100%					
Working temperature (°C)	-20 ÷ +60°C					
Protection degree (IP)	55					
Dimensions (mm)	132 x 26 x 74					



# mr2

## Plug-in receiver module for V2 control units

433.92 - 868.30 MHz  
Personal Pass / Royal



### mr2 PLUS

- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 4 programmable channels with monostable, bistable or timer operating logics
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software

### TECHNICAL FEATURES

MODEL	MR2-U-433	MR2-U-868
CODE	11B047	11B048
Frequency (MHz)	433.92	868.30
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60°C	
Dimensions (mm)	52 x 35 x 15	



## TRANSMITTERS AND RECEIVERS

# wally2-230V

### 230V outdoor receivers

433.92 - 868.30 MHz  
Personal Pass / Royal



## wally-230V PLUS

- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 2 programmable channels with monostable, bistable or timer operating logics
- Power relay for loads up to 1500W
- Possibility to store up to 240 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Basic programming using button P1 or advanced programming using the PROG2 programming device and WINPPCL software

## TECHNICAL FEATURES

MODEL	WALLY2-230V	WALLY2-230V-868
CODE	<b>11D012</b>	<b>11D014</b>
Frequency (MHz)	433.92	868.30
Power supply (V - Hz)	230 - 50	
Absorption in stand-by (mA)	20	
Relay contacts (A)	10 (@ 250Vac)	
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60	
Protection degree (IP)	55	
Dimensions (mm)	113 x 113 x 57	



# rxp4

## 24V outdoor receiver with display

433.92 - 868.30 MHz  
Personal Pass / Royal



### rxp4 PLUS

- Programming achieved using 3 program buttons and display
- Operates with Royal or Personal Pass series transmitters: the first remote control to be memorised determines the mode of operation; Royal or Personal Pass
- 433.92 MHz and 868.30 MHz version
- 4 programmable channels with monostable, bistable or timer operating logics
- Relay outputs 2 - 3 - 4 with N.O. or N.C. contact that can be selected using the jumpers
- Possibility to store up to 1008 different codes
- Sequential storage of transmitters
- Memory full warning
- Self-learning of transmitters managed by radio
- Management of the replacement transmitter
- It is possible to enable or disable the ROLLING CODE mode
- Saving data on MR2 removable receiver module
- Data management via PROG2 and WINPPCL by inserting the removable module MR2 into connector TX of PROG2

### TECHNICAL FEATURES

MODEL	RXP4-433	RXP4-868
CODE	11D017	11D018
Frequency (MHz)	433.92	868.30
Power supply	12-24 Vac/dc / 12-36 Vdc	
Absorption in stand-by (mA)	16 @ 24 Vdc	
Relay contacts (A)	relay 1 = 5A - 230Vac / relay 2 = 1A - 30Vdc / relay 3 = 1A - 30Vdc / relay 4 = 1A - 30Vdc	
Sensibility	≥ -103 dBm	
S/N	> 17dB @ 100dBm m=100%	
Working temperature (°C)	-20 ÷ +60	
Protection degree (IP)	55	
Dimensions (mm)	170 x 185 x 70	



# prog2

Portable programming device



## prog2 PLUS

- Programming with random codes of blank transmitters
- Connector for memory modules and receivers of the series WALLY/MR2 to view, change, delete (partially or fully) the stored codes
- USB connector for PC connection and installation data management by means of the WINPPCL software

MODEL	PROG2-USB 433	PROG2-USB 868
CODE	161006	161007
Frequency (MHz)	433.92	868.30

# flash-prog

Quick programmer for phox transmitters



## flash-prog PLUS

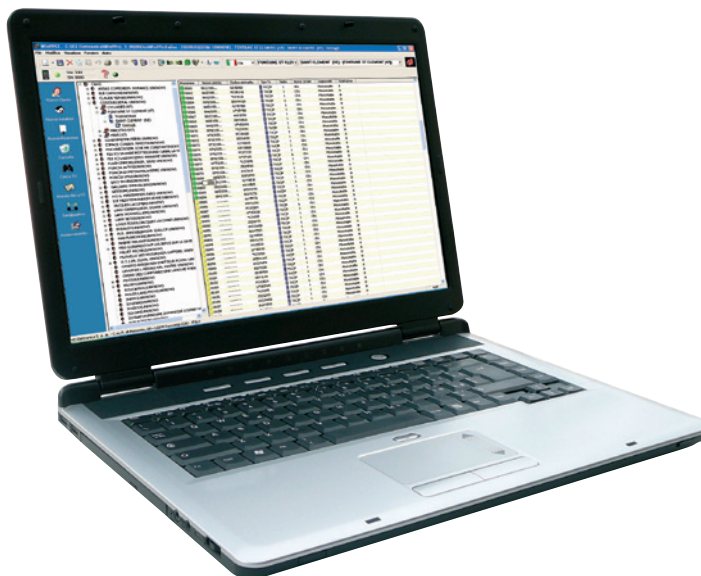
- Programming via radio of PHOX transmitters by simply placing the remote control on the programmer and proceeding with programming with Winppcl
- Direct connection to a PC via USB port

MODEL	FLASH-PROG
CODE	161008



# winppcl

Administration software



## winppcl PLUS

WINPPCL software is a program allowing the storage, consultation and updating of all the data and all the settings of the systems by using a Data Base.

WINPPCL can be used both by itself and also when connected to the PROG2 portable programming device. In the former case, it is only possible to work with the Data Base, while in the latter case, all the V2 device read/write operations can be performed.

In order to be able to use WINPPCL, it is necessary to obtain a contract activation code from V2 which will allow the devices to be customized with their own client codes.

It allows the installers to optimise their time by programming all the V2 transmitters and receivers directly in their own workshop.

The configuration settings are then simply transferred to the receivers or the memory devices using the PROG2 device and installed on the system on site.

It allows rapid activation of a new user thanks to the option to automatically generate a series of random codes and then downloading them onto the receiver.

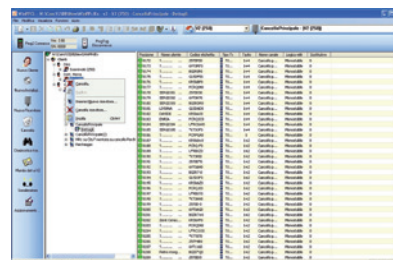
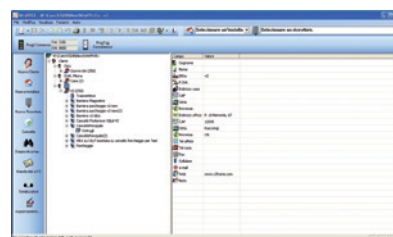
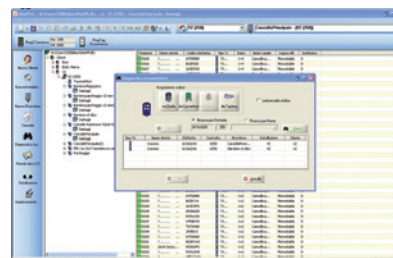
To activate a new user, simply program a blank transmitter with one of the codes already present in the memory.

WINPPCL also automatically checks the random codes generated in order to prevent preexisting codes from being created.

It allows printing and exporting of all information regarding users, transmitters, receivers and installations.

It allows tracing a transmitter within the database by displaying the receivers in which it is present.

It allows the generation of transmitters, capable of substituting a transmitter previously memorised in a WALLY/MR2 series receiver, via radio.



<b>MODEL</b>	<b>WINPPCL</b>
<b>CODE</b>	<b>21A001</b>



## TRANSMITTERS AND RECEIVERS

# dev-r1

### Miniaturized receiver to control a single phase asynchronous motor

433.92 - 868.30 MHz  
Personal Pass



## dev-r1 PLUS

- Power supply with extended range
- Very low power consumption in stand-by
- 433.92 MHz and 868.30 MHz version
- Compatible with Personal Pass transmitters
- Possibility to store up to 30 different codes
- Two wired inputs: up and down
- Integrated button for programming operations
- Sequential storage of transmitters
- Self-learning of transmitters managed by radio

# dev-r2

### Miniaturized receiver to control a load up to 500W

433.92 - 868.30 MHz  
Personal Pass



## dev-r2 PLUS

- Power supply with extended range
- Very low power consumption in stand-by
- 433.92 MHz and 868.30 MHz version
- Compatible with Personal Pass transmitters
- Possibility to store up to 30 different codes
- Two wired inputs: up and down
- Relay output with no-voltage contacts for loads of up to 500W
- Integrated button for programming operations
- Sequential storage of transmitters
- Self-learning of transmitters managed by radio





# dev-t1

## Personal Pass miniaturized transmitter

433.92 - 868.30 MHz  
rolling code



## dev-t1 PLUS

- Power supply with extended range
- Very low power consumption in stand-by
- 4 wired inputs for N.O. buttons
- 433.92 MHz and 868.30 MHz version

## TECHNICAL FEATURES

MODEL	DEV-R1-433	DEV-R2-433	DEV-T1-433	DEV-R1-868	DEV-R2-868	DEV-T1-868
CODE	12E099	11D019	10K020	12E100	11D020	10K021
Power supply (Vac - Hz)	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60	85 ÷ 260 - 50/60
Frequency (MHz)	433.92	433.92	433.92	868.30	868.30	868.30
Absorption in stand-by (mA)	0.25	0.25	0.15	0.25	0.25	0.15
Working temperature (°C)	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60	-20 ÷ +60
Maximum operating time (s)	120	-	120	120	-	120
Dimensions (mm)	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41	20 x 34 x 41

# Value to safety

Your desire of protection  
is safe with us.

Since V2 offers a full range of useful suggestions to complete a perfect security system, designed for any environment, public or private: photocells, proximity system and every type of accessories. In addition, the professional advice by V2, to find a customized solution. Protect what you care about most.

## SECURITY DEVICES AND ACCESSORIES










# INDEX OF PRODUCTS

## SECURITY DEVICES AND ACCESSORIES

146|163



Solar energy systems	146 147	eco-logic	
Access devices	148	sirmo	
	149	sirmo-digit	
	150	next	
	151	proksima	
Decoders	152	dec4	
	153	rxp4-c	
Pillars	154	gardo	
Flashing lights	155	lumos	
	155	blinko	
	156	ml6	
Antenna	156	ans433	

Photocells

157 **sensiva-xs** 

157 **sensiva-180** 


158 **sensiva-plus** 

158 **sensiva-wl** 

159 **sensiva** 

159 **dfn** 

Radio control system for safety edges

160 **wes** 

161 **wes-adi** 

161 **wes-easy** 

Safety edges

162 **touch-cmm** 

163 **touch-r** 



# eco-logic

## Solar energy kit



### eco-logic PLUS

- ECO-LOGIC is the new V2 system to power the 24V automations with just solar energy
- This system allows the automation of installations, very far from the mains, without excavation works
- The panel converts the solar light into electric energy, stored in the battery box
- The battery box provides full autonomy to V2 24V systems, day and night and even after long periods of bad weather
- In the event of batteries being fully discharged, a quick charge is available via the additional 230V power adaptor
- Possibility to install an additional panel for intensive use or installed in the shade automations

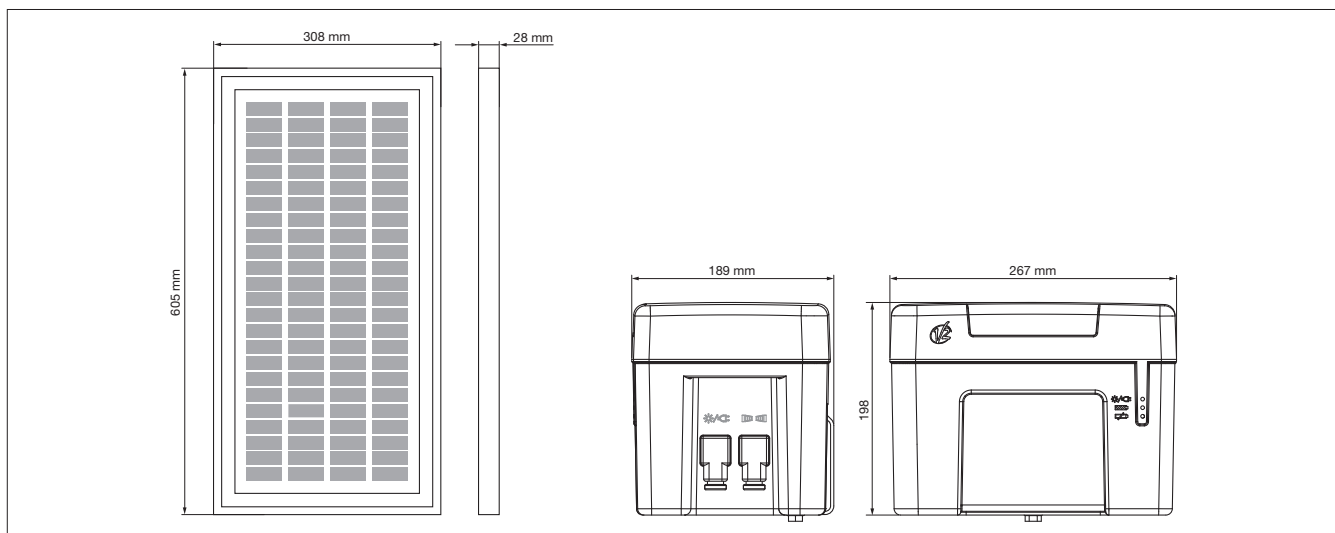
## TECHNICAL FEATURES

Description	ECO-LOGIC accumulator unit	ECO-LOGIC solar panel	ECO-LOGIC mains power supply
<b>MODEL</b>	<b>ECO-LOGIC</b>		-
<b>CODE</b>	<b>28A034</b>		<b>172802</b>
Voltage output towards the control unit (Vdc)	24 - 28	-	-
Maximum voltage without load (Vdc)	-	42	-
Voltage at maximum power point (Vdc)	-	33.6	-
Power supply (V / Hz)	-	-	230 - 50
Maximum current (A)	16	-	-
Peak nominal power (W)	-	20	-
Nominal power (W)	-	-	36
Battery capacity (Ah)	18	-	-
Mains recharge time (h)	~15	-	-
Protection degree (IP)	44	-	-
Working temperature (°C)	0 ÷ +40 (charging) -20 ÷ +50 (in use)	-20 ÷ +80	0 ÷ +30
Weight (Kg)	12	2.2	1.7

**BOX BATTERIA**



- Three led on the front of the unit indicate the charge level of the batteries
- Two simple plug in connectors at the side of the unit provide quick and easy connection of both the control unit and solar panel
- The connector used for solar panel can also be connected to the auxiliary power supply



**ACCESSORIES**



<b>172802</b>	<b>172801</b>
Auxiliary power supply for mains charging	Additional solar panel

SECURITY DEVICES AND ACCESSORIES



# sirmo

## Key switch with European cylinder



### sirmo PLUS

- Die-cast aluminium frame
- Burglar-proof
- Inner seal to ensure maximum tightness of the container
- Electrical contacts and levers protected by a plastic casing
- Available in recessed, wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Possibility to manage multiple switches with the same lock, replacing the key knob supplied with the accessory one. 8 sets of knobs are available with the following codes:  
172003 - 172004 - 172005 - 172006  
172007 - 172008 - 172009 - 172010

### TECHNICAL FEATURES

Description	key switch recessed-mounted	key switch wall-mounted	key switch pillar-mounted
<b>MODEL</b>	<b>SIRMO-I</b>	<b>SIRMO-E</b>	<b>SIRMO-G</b>
<b>CODE</b>	<b>20A008</b>	<b>20A006</b>	<b>20A007</b>
Dimensions (mm)	82 x 77 x 62	82 x 77 x 52	82 x 77 x 52
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	44	44	44





# sirmo-digit

Digital radio or wired switch



## sirmo-digit PLUS

- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container
- Safe enabling by typing a custom combination from 1 to 8 digits
- Possibility to program up to 9 different channels
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Rolling code radio version (works like a normal Personal Pass transmitter)
- Wired version that can be interfaced with the DEC4 and RXP4-C decoders
- Backlit keyboard

## TECHNICAL FEATURES

Description	digital switch radio, wall-mounted	digital switch radio, wall-mounted	digital switch radio, pillar-mounted	digital switch radio, pillar-mounted	digital switch wired, wall-mounted	digital switch wired, pillar-mounted
<b>MODEL</b>	<b>SIRMO-DE</b>	<b>SIRMO-DE 868</b>	<b>SIRMO-DG</b>	<b>SIRMO-DG 868</b>	<b>SIRMO-DEC</b>	<b>SIRMO-DGC</b>
<b>CODE</b>	<b>10L009</b>	<b>10L012</b>	<b>10L010</b>	<b>10L013</b>	<b>20A009</b>	<b>20A011</b>
Frequency (MHz)	433.92	868.30	433.92	868.30	-	-
Power supply (Vac)	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	12-24 Vac/dc	12-24 Vac/dc
Max. absorption (mA)	25	40	25	25	35	35
Range in open field (m)	150	100	150	150	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 32	82 x 77 x 52	82 x 77 x 52	82 x 77 x 32	82 x 77 x 32



# next

## Radio proximity system (READ ONLY keys)



next-tag



next-card



master

### next PLUS

- The digital radio switch NEXT does not need any electrical wiring and sends a code compatible with Personal Pass transmitters (433.92 MHz)
- NEXT must be initialized with a MASTER card (supplied with the reader) that can be serialized with PROGTAG-USB and WINPPCL
- The READ ONLY access keys (NEXT-TAG and NEXT-CARD models) are factory set and have to be stored in the proximity reader (up to 400 keys)
- The stored keys enable the radio transmission of the code with active Rolling code
- Visual signalling through LED and acoustic through internal buzzer
- Low battery warning
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container

### TECHNICAL FEATURES

Description	proximity reader wall-mounted	proximity reader pillar-mounted	proximity key	proximity card
<b>MODEL</b>	<b>NEXT-RSE</b>	<b>NEXT-RSG</b>	<b>NEXT-TAG</b>	<b>NEXT-CARD</b>
<b>CODE</b>	<b>15G001</b>	<b>15G002</b>	<b>15F001</b>	<b>15E001</b>
Frequency (MHz)	433.92	433.92	125 KHz	125 KHz
Power supply (Vac)	2 x 1.5V alkaline 1100 mA	2 x 1.5V alkaline 1100 mA	-	-
Max. absorption (mA)	60	60	-	-
Range in open field (m)	150	150	0.04	0.04
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	30 x 36 x 6	85 x 54



# proksima

**Proximity system  
(READ & WRITE keys)**



vtr



vcr



prog-tag

## proksima PLUS

- Proximity systems are used with automation systems where it is necessary to use customized keys or passes to control access
- The proximity reader must be interfaced with a DEC4 or RXP4-C decoder
- The keys and proximity cards are stored in the decoder
- Just move a key or a card near a Proksima reader to execute the command set in the decoder
- Proximity keys and passes can be factory serialised by V2 or programmed by the installer using the Protag terminal running WINPPCL interface software
- The keys and proximity cards are "read & write" devices that can be reprogrammed countless times. The access device programming code is unique and extremely safe
- Visual signalling through LED and acoustic through internal buzzer
- Wall-mounted and pillar version
- Pillar version compatible with GARDO pillars (in the same colour of the front cover of the pillar)
- Die-cast aluminium frame
- Inner seal to ensure maximum tightness of the container

## TECHNICAL FEATURES

Description	proximity reader wall-mounted	proximity reader pillar-mounted	proximity key	proximity card	Device for programming proximity cards and passes
MODEL	PROKSIMA-EC	PROKSIMA-GC	VTR	VCR	PROTAG-USB
CODE	15C003	15C004	15B001	15A002	161502
Frequency (KHz)	-	-	125	125	-
Power supply (Vac)	12-24 Vac/dc	12-24 Vac/dc	-	-	USB
Absorption (mW)	700	700	-	-	-
Working temperature (°C)	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C	- 20 ÷ + 55 °C
Protection degree (IP)	55	55	55	55	55
Dimensions (mm)	82 x 77 x 32	82 x 77 x 52	22 x 30 x 5	85 x 54	100 x 195 x 40



# dec4

## Remote decoder



### dec4 PLUS

- Programming via button and LED
- 4 normally open output relays
- Option to select the output type: monostable, step or timer
- Sequential storing of access devices
- Possibility to store up to 1008 different codes
- Memory full warning
- Basic programming using button or advanced programming using the PROG2 programming device and WINPPCL software
- Plug-in terminal board

## TECHNICAL FEATURES

Description	remote decoder
<b>MODEL</b>	<b>DEC4-PLUS</b>
<b>CODE</b>	<b>15D003</b>
Power supply (Vac/dc)	12-24
Absorption in stand-by (mA)	17
Relay contact (A)	1 @ 30 Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	74 x 132 x 26



# rxp4-c

## Remote decoder with display



### rxp4-c PLUS

- Programming achieved using 3 program buttons and display
- 4 programmable channels with monostable, bistable or timer operating logics
- Relay outputs 2 - 3 - 4 with N.O. or N.C. contact that can be selected using the jumpers
- Possibility to store up to 1008 different codes
- Sequential storing of access devices
- Memory full warning
- Saving data on MR2 removable receiver module
- Data management via PROG2 and WINPPCL by inserting the removable module MR2 into connector TX of PROG2

### TECHNICAL FEATURES

Description	remote decoder with display
<b>MODEL</b>	<b>RXP4-C</b>
<b>CODE</b>	<b>15D004</b>
Power supply (Vac/dc)	12-24 Vac/dc / 12-36 Vdc
Absorption in stand-by (mA)	16 @ 24 Vdc
Relay contact (A)	relay 1 = 5A - 230Vac / relay 2 = 1A - 30Vdc / relay 3 = 1A - 30Vdc / relay 4 = 1A - 30Vdc
Maximum data wire length (m)	100
Working temperature (°C)	- 20 ÷ + 60
Protection degree (IP)	55
Dimensions (mm)	170 x 185 x 70



# gardo

## Aluminium pillars for photocells and accessories



### gardo PLUS

- Photocells can be easily mounted on Gardo pillars at the desired height, granting them total protection
- Gardo pillars do not need accessories for the mounting of key and digital switches on the upper side
- Aluminium frame
- Polycarbonate front cover
- 3 point ground anchoring

## TECHNICAL FEATURES

Description	pair of pillars	single pillar
<b>MODEL</b>	<b>GARDO50</b>	<b>GARDO100</b>
<b>CODE</b>	<b>161303</b>	<b>161302</b>
Height (cm)	50	100



# lumos

## Led flashing light

### lumos PLUS

- Led device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit
- Can be installed on a flat surface or on wall using the bracket supplied with the product
- Built-in antenna



### TECHNICAL FEATURES

MODEL	LUMOS-M
CODE	14C003
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	136 x 82 x 35

# blinko

## Led flashing light

### blinko PLUS

- Led device that does not need any maintenance
- Multivoltage technology enabling operation of the flashing light with a wide range of power supplies (24 to 230V)
- Automatic built-in intermittence circuit



### TECHNICAL FEATURES

MODEL	BLINKO-M
CODE	14D005
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Protection degree (IP)	54
Dimensions (mm)	90 x 43 x 36

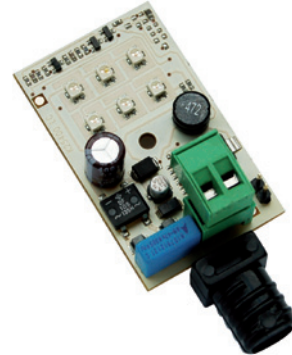


# ml6

## Multivoltage led module

### ml6 PLUS

- Led device that does not need any maintenance
- It replaces normal filament bulbs inside the already-installed flashing lights
- It is suitable for all types of flashing lights thanks to multi-voltage technology
- Easy installation thanks to a screw connector for using ML6 on common couplings of E14 bulbs
- Its extractable terminal board prevents cable twisting during installation



### TECHNICAL FEATURES

MODEL	ML6
CODE	14A005
Power supply (Vac/dc)	24 ÷ 300Vdc / 24 ÷ 230Vac - 50Hz
Working temperature (°C)	-20 ÷ +60
Dimensions (mm)	74 x 32 x 30

# ans433

**Outdoor antenna with protective covering for receivers provided with 2.5 m RG-58 cable**



### TECHNICAL FEATURES

MODEL	ANS433
CODE	19A001
Frequency (MHz)	433 ÷ 868
Impedence (Ohm)	50
Gain (db)	2.5





# sensiva-xs

**Miniaturized wall- and pillar-mounted photocells, synchronised and self-aligning**

## sensiva-xs PLUS

- Very small size (84x29x24 mm)
- They can be installed inside the GARDO pillars
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight



### TECHNICAL FEATURES

MODEL	SENSIVA-XS
CODE	13C002
Optical range (m)	25
Dimensions (mm)	29 x 84 x 24
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60

# sensiva-180

**Wall-mounted photocells, adjustable (180°) and synchronised**

## sensiva-180 PLUS

- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight



### TECHNICAL FEATURES

MODEL	SENSIVA-180
CODE	13C003
Optical range (m)	25
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60



# sensiva-plus

Wall-mounted photocells, synchronized (up to 8 pairs of devices) and adjustable (180°)

## sensiva-plus PLUS

- Synchronized: ability to set 8 different transmission codes to simultaneously use 8 pairs of photocells without mutual interference
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Automatic slow down of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes



### TECHNICAL FEATURES

MODEL	SENSIVA-PLUS
CODE	13C004
Optical range (m)	25
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60

# sensiva-wl

Synchronized, adjustable (180°), wall mounted photocells with battery powered transmitter

## sensiva-wl PLUS

- Possibility to connect a resistive or traditional safety edge on the transmitter
- Synchronised: ability to set two different transmission codes to simultaneously use two pairs of photocells without mutual interference
- Adjustable up to 180° on the horizontal axis and 30° on the vertical axis
- Automatic slow down of the detection signal in the event of snow to avoid undesired activations caused by the fall of the flakes



### TECHNICAL FEATURES

MODEL	SENSIVA-WL
CODE	13C005
Optical range (m)	25
Dimensions (mm)	41 x 115 x 38
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60



# sensiva

**Synchronised, adjustable wall- and pillar-mounted photocells**

## sensiva PLUS

- They can be installed inside the GARDO pillars
- Adjustable by 30°
- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight



### TECHNICAL FEATURES

MODEL	SENSIVA
CODE	13C001
Optical range (m)	25
Dimensions (mm)	42 x 36 x 90
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60

# dfn

**Synchronised, self-aligning wall- and recessed-mounted photocells**

## dfn PLUS

- Synchronised: the synchronism circuit allows the installation of two pairs of very close photocells, without them interfering with one another
- Secure: immune to interference from sunlight



### TECHNICAL FEATURES

MODEL	DFN
CODE	13A001
Optical range (m)	25
Dimensions (mm)	66 x 76 x 30
Power supply	12÷24 Vac / 12÷36 Vdc
Relay contact (A)	1 (max 30 Vdc)
Working temperature (°C)	-20 ÷ +60



# WES

## Radio control system for safety edges



### WES PLUS

WES (Wireless Edge System) is the new V2 system allowing safety edges to be controlled by radio.

The system consists of a base unit connected directly to the control unit and one or more sensors connected to the safety edges.

The base unit is powered from the control unit and constantly monitors the status of the sensors connected.

Up to a maximum of 8 sensors can be connected to each base unit.

Each sensor is able to control up to 2 traditional safety edges with N.C. contact or resistive safety edges (8,2kohm).

The system is compatible with any control unit

## TECHNICAL FEATURES

Description	base	sensor
<b>MODEL</b>	<b>WES-BASE</b>	<b>WES-SENSOR</b>
<b>CODE</b>	<b>35B022</b>	<b>35B021</b>
Power supply (Vac/dc)	12 / 24	2 battery LR6/AA (1.5V-2600mAh)
Absorbed power (W)	0.75	-
Stand-by time	-	> 2 years
Outputs (relay switch)	2 safety edge alarms - 1 low battery warning 1 global signal	-
Number of sensors	up to 8	-
Number of radio channels	16	-
Inputs	-	2 mechanical or resistive safety edges
Maximum range (m)	-	10
Working temperature (°C)	- 20 ÷ + 60	- 15 ÷ + 50
Protection degree (IP)	55	55
Dimensions (mm)	125 x 56 x 23	170.5 x 45 x 19.5



# wes-adi

**ADI module for radio control of the safety devices through WES sensors**

## wes-adi PLUS

The system consists of a WES-ADI base unit plugged on the control unit, and one or more sensors (up to 8) connected to the safety devices (edges or photocells).

The base unit constantly checks the status of the sensors connected to it; if a safety device connected to one of the sensors is activated, the WES-ADI base unit signals the anomaly to the control unit



<b>MODEL</b>	<b>WES-ADI</b>
<b>CODE</b>	<b>35B026</b>

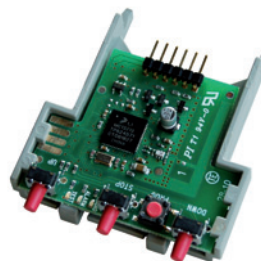
# wes-easy

**Optional card dedicated to EASY-TOP control unit for radio control of safety devices using WES sensors**

## wes-easy PLUS

The system consists of a WES-EASY base unit plugged on the control unit, and one or more sensors (up to 8) connected to the safety devices (edges or photocells).

The base unit constantly checks the status of the sensors connected to it; if a safety device connected to one of the sensors is activated, the WES-EASY base unit signals the anomaly to the control unit



<b>MODEL</b>	<b>WES-EASY</b>
<b>CODE</b>	<b>35B025</b>



# touch-cmm

## Mechanical safety edges



### touch-cmm PLUS

They use a rigid metal wire as the sensitive element inside a rubber body.

The device is activated by exerting pressure on the edge.

The signal, once detected and intercepted by the control unit, is transduced into the motion block.

The mechanical safety edges are pre-assembled on aluminium strips and are available in various lengths: 1.5 m, 1.7 m, 2.0 m.

## TECHNICAL FEATURES

Description	mechanical safety edge length 1,5 m	mechanical safety edge length 1,7 m	mechanical safety edge length 2 m
<b>MODEL</b>	<b>TOUCH-CMM150</b>	<b>TOUCH-CMM170</b>	<b>TOUCH-CMM200</b>
<b>CODE</b>	<b>162301</b>	<b>162302</b>	<b>162303</b>



# touch-r

## Resistive safety edges

### touch-r PLUS

Constant monitoring is achieved using the closed-circuit principle.

The last safety contact edge in a possible serial connection is fitted with a terminal resistor, which is continuously monitored by an electronic evaluation unit.

Thus allowing the entire circuit to be monitored for shorts and wire breaks.



## TECHNICAL FEATURES

	aluminium strip length 2 m	aluminium strip length 3 m	rubber strip length 25 m	Kit: end plugs + cable inserts and resistance
<b>MODEL</b>	<b>TOUCH-RLA02</b>	<b>TOUCH-RLA03</b>	<b>TOUCH-RLG25</b>	<b>KIT TOUCH-RL</b>
<b>CODE</b>	<b>35B003</b>	<b>35B004</b>	<b>35B005</b>	<b>35B017</b>

	aluminium strip length 2 m	aluminium strip length 3 m	rubber strip length 25 m	Kit: end plugs + cable inserts and resistance
<b>MODEL</b>	<b>TOUCH-RHA02</b>	<b>TOUCH-RHA03</b>	<b>TOUCH-RHG25</b>	<b>KIT TOUCH-RH</b>
<b>CODE</b>	<b>35B011</b>	<b>35B012</b>	<b>35B013</b>	<b>35B018</b>

Description	glue (20 g)	reagent (10 ml)
<b>MODEL</b>	<b>TOUCH-COLLA</b>	<b>TOUCH-REAG</b>
<b>CODE</b>	<b>35B019</b>	<b>35B020</b>

# Value to synthesis

All the technology you need  
in a kit.

V2 offers complete systems to automate  
swing gates, sliding gates, shutters and  
blinds.

Control unit, transmitters, and, when  
necessary, flashing light, all in one kit:  
technology to make any automation even  
simpler and more practical.



**ELECTRONIC KITS**





## INDEX OF PRODUCTS

### ELECTRONIC KITS

168|173



Electronic kits for swing and sliding gates

168

**kit universal 1**

---

169

**kit universal 2**

---

Electronic kits for rolling shutters

170

**kit easy 2**

---

171

**kit easy-basic**

---

Electronic kits for radio control of loads up to 1500 W

172

**kit garden lux**

---

173

**kit garden lux-R**



# kit universal 1

Electronic kit to complete the installation of swing and sliding gate 230V motors

## COMPOSITION



### CITY1

DIGITAL control unit for 230V motors

### CITY1-ECD

DIGITAL control unit for 230V motors with encoder



**PHOX2**  
433.92MHz rolling code transmitter



**MR2**  
Plug-in module receiver








**SENSIVA-XS**  
Miniaturized wall-mounted and pillar-mounted photocells



**LUMOS-M**  
Led flashing light

## Selection guide

Kit MODEL ▼							Kit CODE ▼
	CITY1	CITY1-ECD	PHOX2	MR2	SENSIVA-XS	LUMOS-M	
<b>Kit UNIVERSAL 1</b>	■		■ ■	■	■	■	28A062
<b>Kit UNIVERSAL 1 ECD</b>		■	■ ■	■	■	■	28A063



# kit universal 2

Electronic kit to complete the installation of swing and sliding gate 230V motors

## COMPOSITION



**FLEXY2**  
ANALOGUE control unit for 230V motors.  
Built-in receiver







**PHOX2**  
433.92MHz rolling code transmitter



**SENSIVA-XS**  
Miniaturized wall-mounted and pillar-mounted photocells



**LUMOS-M**  
Led flashing light

Kit MODEL ▼	 <b>FLEXY2</b>	 <b>PHOX2</b>	 <b>SENSIVA-XS</b>	 <b>LUMOS-M</b>	Kit CODE ▼
Kit UNIVERSAL 2	■	■■	■	■	28A061



# kit easy2

Electronic kit to complete the installation of 230V motors for rolling shutters

## COMPOSITION






**EASY2**  
ANALOGUE control unit for 230V motors



**PHOX2**  
433.92MHz rolling code transmitter



**MR2**  
Plug-in module receiver

<p>Kit MODEL</p> <p>▼</p>	 <p><b>EASY2</b></p>	 <p><b>PHOX2</b></p>	 <p><b>MR2</b></p>	<p>Kit CODE</p> <p>▼</p>
<p><b>Kit</b> EASY2</p>	<p>■</p>	<p>■■</p>	<p>■</p>	<p>28A064</p>



# kit easy-basic

Electronic kit to complete the installation of 230V motors for rolling shutters

## COMPOSITION





### EASY-BASIC

**ANALOGUE control unit for 230V motors.**  
Built-in receiver



### PHOX2

433.92MHz rolling code transmitter

<b>Kit MODEL</b> ▼	 <b>EASY-BASIC</b>	 <b>PHOX2</b>	<b>Kit CODE</b> ▼
<b>Kit</b> EASY-BASIC	■	■■	28A065



# kit garden lux

Electronic kit for radio control of loads up to 1500W

## COMPOSITION





### WALLY2-230V

230V dual channel receiver, capable to control loads up to 1500W



### PHOX2

433.92MHz rolling code transmitter

<b>Kit MODEL</b> ▼	 <b>WALLY2-230V</b>	 <b>PHOX2</b>	<b>Kit CODE</b> ▼
<b>Kit</b> GARDEN LUX	■	■	28A066





# kit garden lux-R

Electronic kit for radio control of loads up to 1500W

## COMPOSITION





### WALLY2-230V

230V dual channel receiver, capable to control loads up to 1500W



### MATCH

433.92MHz Royal code transmitter (20 bit)

<b>Kit MODEL</b> ▼	 <b>WALLY2-230V</b>	 <b>MATCH</b>	<b>Kit CODE</b> ▼
<b>Kit</b> GARDEN LUX-R	■	■	28A067

